NATIONAL

83-461

Made in U.S.A.

1992 M. Stanback

M. Formicivorus

CHGO HNHR

24 Apr Connie reports birds here. Walt sets ambush

25 Apr Ambush! Get ♂ 1665, NOBA ♀ 2021. Blood from both and a 2nd coct sample from ♂ (45 min later) ♂ pink paint, ♀ blue paint

26 Apr 0800 Put up dog food here

6 May 1615 Checked both holes - higher one looks pretty nice. Dog food on branch gone - feeder untouched - except for ants. Lots of them chowing on dog food.

24 May 0740 I know it's a little early to be climbing for nests, but I had time to kill. Anyway, 3 eggs in the low hole. Question is, was the 3rd egg from today or yesterday. (Of course, I didn't open it, so they may be unfresh) Dog food ½ full.

6 June 1500 3 chicks, 1 dead egg, no dog food (! Jim !) DB = 18.6, R = 17.1, - = 15.8. These are too big to have hatched yesterday ... what gives? That 4th egg (which died) must've been laid much later.

18 June 0900 Banded the 3 chicks here. A little young, but so it goes. The ants ~~are~~ are going to town on the dog food. I put up a platform last week, still no go.

8 Sept 1500 Bird in hole on arrival. Peeped. 4 eggs!

12 Sept 1045 " " ". Listened - no chicks.

15 Sept 1530 No one in hole on arrival. Peeped - 4 eggs.

18 Sept 1645 Shoulda, shoulda. LL = 11.1, RL = 10.9, H = 3.6, B = 3.1. Latter two not looking good (they hatched 17 Sept, others on 16 Sept)

Digitized by the Internet Archive
in 2017 with funding from
CLIR

https://archive.org/details/acornwoodpeckers00mumm_6

1992 M. Stanback

M. Formicivorus

BUCK HNHR

3 Apr 1111 ~ 50 acorns

Apr Valerie reports a NOBA ♀ here (along w 1475 & 1696) (?

4 May Valerie roost watch : only 3 birds, mate guarding??? into "ladder hole" (the old trad nest hole 85, 86, 87)

5 May Jim reports 1475, 1696, 1398; so Finch effect still going. Why the mate guarding - or is that just roosty behavior

Roost watch: 3 birds like glue - I persuaded them not to go in the ladder hole - one went uphill & squeezed into the "pole hole", the other went into a shitty hole in the granary, and the third, well, it didn't go in any. At 1927 I moved away from the granary & went 100m uphill & watched the 3rd bird. It stayed there until 1947 (very dark), when Jim made a pygmy owl call. I hope it will be safe. I vowed never to keep 'em out of a hole again, but now it seems I will tomorrow night (I'd ambush tomorrow a.m., but can't get a lap done on wednesdays

12 May 1140 - 1215 Spied from afar. Saw 1 visit to the 90 nest hole, maybe 2 visits to the ladder hole (leaves were in the way, but it looks like that was where they were going.

Roost watch: they sounded like they were at the pole hole, but then they came down to the granary & ended up in the ladder hole. Yuk.

Formicivora

BUCK

HUNTER

M. Formicivorus

BUCK HNHR

4 June Jim reports feeding at the ladder hole! NOBA 9!

5 June 0900 Ladder party! 3 chicks, 21 d.o., set ambush, caught 9, banded & bled 3 chicks. Tied ambush. 1430 WaH reset & waited 45 mins - nothing 1730-1930 I wait for 1399 (dried blood guy). After 1 hr, 1398 & 9 started showing up w food, but were too scared to go in. All the time the kids were screaming for food. I don't think they've eaten since this morning - which makes me feel like shit. At 1900 1398 finally went all the way in, but it didn't start any trends. Maybe I shoulda gone up & fed the kids. Didn't. Quit at 1935. I don't think 1399, or anyone will roost with the kids. Left ambusher set. Lets hope they're alive in the morning. Damn.

6 June 0600 I fried off the ambusher, camoflaged it, & fed the kids (little ingrates, they spat out the dog food, even though they were hungry!)

7 June 1300 Finally caught 1399! (Grumble, grumble)

8 June 1400 Erected feeding/watering platform. Put food on.

7 Sept 1320-1335 Spied from Plge. Saw bird go to 92 hole!

11 Sept Val goes up for nest watch & kid is about to fledge! ladder party in afternoon, but too late! Kid is gone! Roost watch: no one into nest hole (ladder up several hours today) (ambush was set). 2 birds into pole hole.

12 Sept Ambush! Pole into pole hole. Took forever getting the 2 birds out (BM, BF). Some blood samples.

M. Formicivorus

	Plge	HNHR
10 Apr	1400 Hung feeder, put some on platform	
17 Apr	Valerie reports no real action, but some visits to upper barn - Fence area. I saw a bird flush from there (@ 1000), and there is a nice hole up there. I set up a blind for spying nearby.	
26 Apr	0730 Bird in hole! In the upper barn hole!	
	0930 Climbed + cut open hole. 1 Fresh egg! #1	
	1800 Put in poles beside lab platform feeder.	
	Roost watch: nada. Are there really 4 birds here?	
6 May	1530 Checked nest: 4 eggs, 1 of them is infertile.	
9 May	pm nest watch. Val sees bird bringing food.	
11 May	1815 RL = 13, LL = 9.6, RW = 4.7, LW = 4.4. These latter two are starving runts from LPHF. Plge has an egg pipping = egg wt = 5.3 - 1 (shell) = 4.3 g.	
13 May	1700 RL = 21.6 (9) = Mv, LL = 19.6 (8.5) = LB, RW = 11.2, r = 4.5	
30 May	1800 Put in 2 M. lewis.	
1 June	0700 Bad news and more bad news. Arrived to find LB on ground but in OK shape. I took him up to the nest, where M. lewis (white) was dead, as was ACW Mv. I took out the dead, put in LB + left. So there's 3 chicks in there for 2-day's nest watch. Mv: 80g, 21.4 bill, 32, 65, 20, 40 (2nd 1° small)	
	1100 Banded 2 ACW's	
17 June	1700 Have been seeing M. lewis here for a couple days, but just now saw 2 here. Who is it?	
6 Sept	Have been helloing nest hole (+ others) for several days (nada)	
	0630 - 0700 Sort of watched here - no real hints	

no lap	yellow	one leg
✓✓	✓	
1783	1785	1788	1789
423	419	414	417
	502	428	502

1992 M. Stanback

M. Formicivorus

	Plge	HNHR
6 Sept	Roost watch: heard bird at 92 nest hole. Check it.	
7 Sept	0610 Hellod hole - nothing	
	1300-1315 Spy. Saw a bird (juv?) go to a shitty hole in the main granary & look in. Not likely. Later saw udult fly to 92 nest tree, but high, & another left it & flew toward Plan (just an intruder?)	
8 Sept	0645-0700 Watched 3 birds preening in top of granary - one flight to mystery spot (2°g), but nothing of note.	
	1330-1400 Spied on 2nd granary from Scott barn to see what all the visits to this part of the tree are about ... seems to be a water hole here (birds dipped heads into it). Where's nest?	
	Roost watch: very quiet, no real hints	
10 Sept	0630-0645 Spy. Just preening in top of granary.	
	1220-1300 These guys aren't doing squat. They sit around & occasionally eat an acorn. One bird landed near the 92 hole, but that was it. What gives? Are they Finch Effect?	
12 Sept	0700 Bird in hole! 0900 Check - empty, but chips	

1992 M. Stanback

M. formicivorus

KNOL HNHR

31 Mar 0850 Saw BW(N) dark = 1969, RLG = 1301
0920 Stop census.

10 Apr 1430 Put food on platform in Walt's yard. An hour later all 4 were munching out.

12 Apr 1020 Bird in 91 hole.

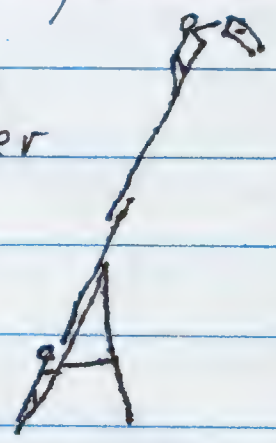
17 Apr 0825-0900 Spy. Nothing.

19 Apr 1130: Bird in hole. Climbed - empty

23 Apr See RAVI notes. Knol birds were attacking RAVI birds

27 Apr Have been helloing - nothing, but did see a bird at the hole at 1835. Valerie reports roosting up the creek towards Walt's.

28 Apr 1100 Find nest! In a high dead limb across the creek from the woodpile. I climbed up but can't get to the nest.



1 May 1230 Using the double ladder + step ladder Walt goes to the hole: 5 eggs. A piece breaks off the back, so no cut is needed, but duct tape is. Damn, Walt says eggs Fresh, so I should have gotten pre-incubation data starting on 28 Apr. Damn!

4 May Valerie reports no action at nest. Shoulda known. I set up poles at platform for a net. Jay trap too Walt roost watches - a bird (≥1) in ravine hole.

5 May 0700 Bird in 91 sycamore hole
0940 Climb, empty, doesn't look good. Dove nest below it in hollow on limb 1 chick (old)
Parent fell to ground? 1 egg

M. Formicivorus

KNOL HNHR

(5 May) Set ambush in ravine hole. Valerie reports 3 birds in (+ she thinks a 4th stayed in the 91 nest hole) I was going to do an ambush 6 May am, but I remembered Mike (the lap Do) doesn't work Wednesdays.

6 May Arghh! Birds show up but dont go in hole

7 May Val watches ambush while I chase birds in that direction. 2 went in but later came out. I am so miserable. Why didn't I get them on 5 May. Why? What made me think they'd go in again. Some lame fucking excuse about laps. Is this postdoc even worth doing? It's so much fucking work, and the data's so pathetic.

10 May Roost watch: At least 1 bird into the century plant

11 May 0700 Bird flushes from century plant

1210 " " . Must be a nest!

12 May I do a morning nest watch - looks like incubation

1345 Check nest. 3 fresh eggs.

21 May 0915 Peep hole: 4 eggs.

27 May 1330 3 chicks, 1 (dead looking) egg. I put in the CV2 runt (just fed him a waxworm).

10 June 1300-1500 Banded 3 Knol chicks. This required topping the century plant, then cutting a door, also putting a lid on the cut above the nest. I just hope the adults will feed. There was a runtly chick, but I don't think it was the CV2 runt. Well shit, where did I get the idea that today is day 22? It's day 17! But I saw a bird in the hole on 11 June.

1992 M. Stanback

M. formicivorus

	KNOL	HNHR
5 Sept	Hello'd canyon hole, the 92a hole, holes at the lower barn, the aloe hole, etc. Nothing.	
6 Sept	1150 - 1220 Watched Knol, Finally found them hanging around granary. There was an alarm call - they all flew up to the upward facing hole hi in the Y sycamore (can I ∴ assume there are no holes in the granary?) [Walt reports roosting in syc nest hole]	
7 Sept	1000 Bird in syc nest hole! I climb (Fearing Fledging) and find ... empty, but fresh chips!	
10 Sept	0645 - 0710 Saw 4 visits to the aloe hole. I'd say they're egg laying or shopping still (since this is first activity I've seen here.	
11 Sept	0855 - 0905 Sped on aloe - nada. [Bird flushed later 2day]	
12 Sept	1015 Peeped - empty. Drat!	
14 Sept	Roost watch: No one into aloe hole; hear ≥ 1 bird at syc hole I've also been spying on the aloe hole periodically - nada.	
16 Sept	0645 - 0715 Gave em dog food, then watched. No visits to the sycamore hole (couldn't see both from where I sat. Saw 2 juvs (2102, 2103) who both are wearing ♂ plumage (have they molted yet?) Also saw a ♂ wearing "frosted" red crown with $\overline{MK}$? Who is this? (better call it $\overline{ND}$) Spied on aloe for 15 min - nada	

1992 M. Stanback

M. Formicivorus

	MOON	HNHR
6 Sept	Val reports bird in hole over road at Moon granary. I climb (1400) and find nothing, but chips look nice.	
10 Sept	1000 Hello hole - nada. Spied on 92 tree for 5 min - nada	
12 Sept	1430 Hello road hole - nada. Check 92 nest - limb down!	

1992 M. Stanback

M. Formicivorus

Refute 1 — HNHR

10 Apr 1500 Hung 2 Feeders here.

28 Apr 0800 Feeders empty. 3 birds here. One into hole (spy)
1030 Bird in hole (♂). 3 Fresh eggs! Filled 1 feeder.

11 May 1430 RL = 14 = RF, LL = LF = 12.6, RW = 11.1 = RR, r = 5.9
+ 1 inF egg. not numbered? So clutch = 5

22 May 1400 R = 76 (16.8) 11 (8) 9 // K = 72 (17.5) 9 (4)
LB = 72 (17.8) 10 (7.5) // r = shit! (15.1) 2.5 (2.5) Forgot to weigh runt! Couldn't tell toeclips. Set ambush + blind.
1415 - 1445: waited to see if ambush freaks on, No one showed! Guess I'll do a roost watch.
Jim watch roosting. Bird in. No problem

23 May 0720 Set ambush + started waiting. Starling landed on nest log (that brought in ACWs), then MLG (1526?) went in at 0732. Pull, bleed, release by 0742. Reset ambush. Waited til 0845. No shows, so I tied back ambush, moved back blind. Big rattlesnake by nestree.

25 May Set ambush, start waiting at 0610. ♀ shows + feeds, at 0732 catch ♂ 1525. Bleed, 2 T implants.

26 May 0650 Control implants into 1526, repainted purple
73.5 : tail, 140. = WC, 83 g, 32.9

30 May 1800 Added 1 M. lewis to nest.

1 June 1700 Banded 4 babies

12 June Feeders empty. Put up a (crooked) platform (w food)

4 Aug 0700 Saw 1325, 2062 Put out dog food. Good numbers of acorns in area.

8 Aug 0940 Saw 1325 + 1525 (MvLB) feeding an old baby (new nest!!) in LECN hole! Shit!

1992 M. Stanback

M. Formicivorus

Refute 1 HNHR

(8 Aug) 1100 As I climb, I chick Fledges to ground. I get down & grab him. Phew! Climb again & Find another chick in the nest. I wonder if any have Fledged. Maybe this explains why the VAOK just up From here has all it's baby acorns eaten (on the tree). See cap recs.

1992 M. Stanback

M. Formicivorus

1500 HNHR

No acorns.

27 Apr Came to roost watch, but bird in hole early (traditional)

30 Apr 1330 Climbed traditional hole (after having to set a new string - grrr). It was empty, damp, & Full of yuck. Set ambush

Roost watch: at least one bird in. Early on I heard birds at one of the other main trees.

1 May Ambush! Get all 4! Blood from all. 2015 (HF) released after processing. All got paint. No acorns here.

1609 (BF) ovary: some activity, but not very developed

1901 (BM) medium sized testes, a little bigger than 2014

2014 (HM) rather small testis (#1 - #2)

1901 is missing a claw on one leg.

5 May 0730 Something's up. Chasing, wakas, drumming. Damn

0830 1609, 1901, 2015 going around together like glue (especially 99 1609 & 2015) Didn't see 2014. Saw 7 chase an intruder. So what's the deal?

9 May 1500 Checked hole - empty. Had some lichen & leaves (mouse nest start). I pulled it out & dug out the gunk on bottom, but it kind of goes forever so I quit. Are there birds at Pump?

24 May 0850 - 0915 Spied. Saw 2 suspicious flights to the uphill (N) tree. Checked afterward - nothing.

25 May 1300 - 1330. Spied. Deader 'n' a hammer.

1 June 1830 Hell'd holes - nada

2 June 0900 - 0930 Spied. Nothing (but 1 flight to creek or beyond. Afterwards I looked for holes - nada.

M. Formicivorus

L500 HNHR

5 June 0550-0640 Spied, hellod - got nothing. Several Flights into grass, several to road (or beyond). ???

6 June 0945-1000 Spied From truck. A bird went to trod hole! 1030 Climbed. Empty, but I dumped in .5 l of chips. →

8 June Erected a platform - worked like a charm! No Food To make a platform, you must have L-shaped metal fence posts (not the T-shaped ones). See diagram on back. Use self-tapping screws. Go through the holes in the metal post.

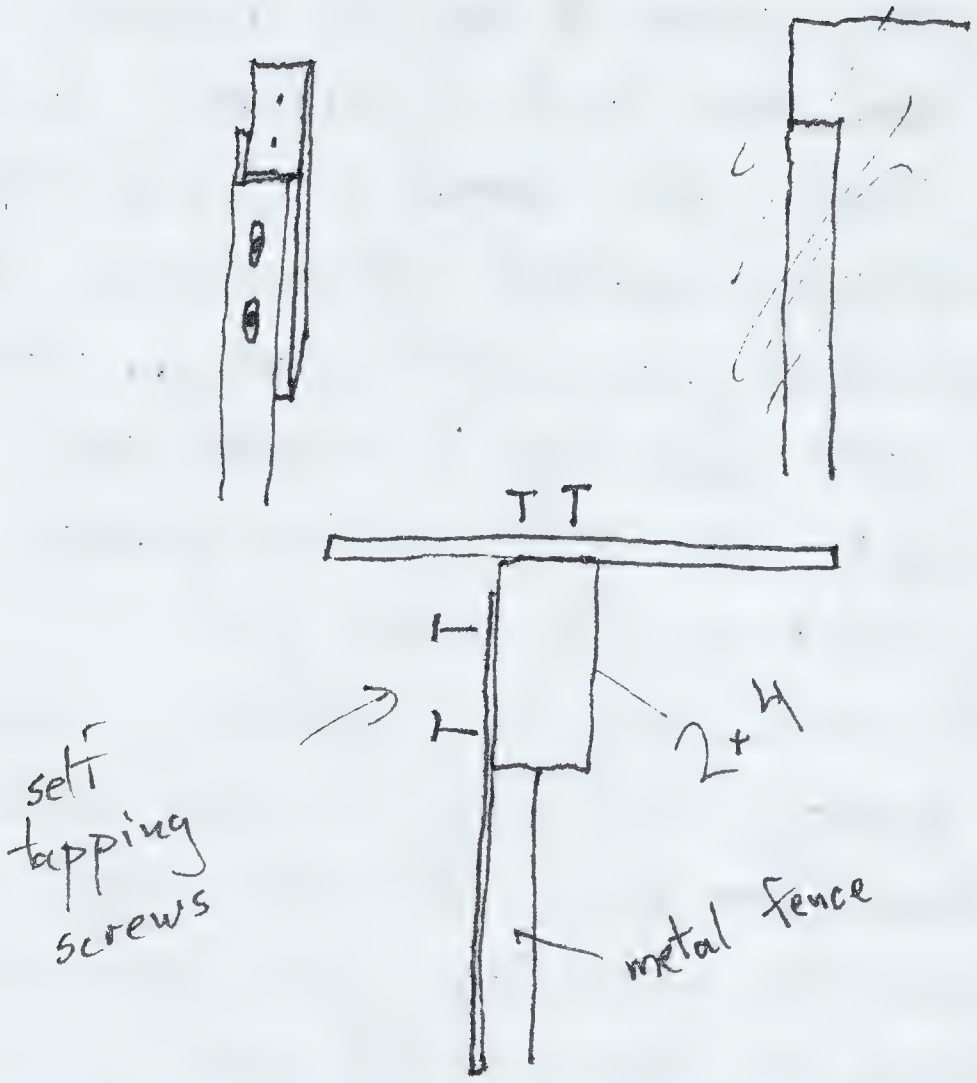
10 June Jim looked for nest yesterday - nothing. I spent From 0610-0635 spying. 2 Flights to creek (dif places), some Flights down From uphill. But what really makes me wonder was the garricking (just once) and drumming (twice). Is this a Finch effect. Census!

4 Aug 1400 Val reported a bird in the hole last nite at 2000. I watched it for 10 min r saw nothing. Hellod-nada. Put Food on platform. Set ambush at dusk - 4 in!

5 Aug 0400 Ambush! But 1 (BM) escapes while I'm pulling birds out. Damn! I do a cort series as well, but later Find out several got spun out in the centrifuge. Plus Val pooled all but 1 tube before the spin (wrong!). So all that work is completely Fucked. Took birds in For lapping. 1609 (BM) has ovary coming into condit. HM 2015 semi-small testes, but hey, its too early to really tell! ← or is it normal For HM For a successful ambush, it certainly did suck. Christ! This was the only potential Fall nest with a ♂ helper.

1100 Platform w dogfood. Added water

tiny, wormy parasite


T T
2"+ H
self tapping screws
metal fence

1992 M. Stanback

M. Formicivorus

	1500	HNHR
4 Sept	1210 - 1220 Spied, saw a bit of chasing. What gives? Hello'd hole (nothing) & gave em Food & H_2O.	
6 Sept	1705 - 1720 Spied - nothing. Hello - nada. Gave Food.	
7 Sept	Spied awhile Saw some Flycatching, but no nestiness (1 bird)	

19[redacted]
92

M. Stanback

[redacted] 1800 [redacted]

10 [redacted] Apr late am. Helló'd holes - removed styro Foam granary

17 Apr 0800 - 0810. Watched From afar. Bird flew to 91 hole
1330 Climbed. Empty.

20 Apr Roost watch. Saw/heard one bird go up the canõn to the W. Helló'd holes beforehand - nothing

25 Apr 1140 Climbed. Empty, but looks very nice.

27 Apr 0945 Damn. Get up in tree & realize Walt still has peeper. Can't touch bottom of hole! Sawed some, but still can't reach. Damn.
Roost watch - nothing in "nest" or granary trees. Uphill?

5 May 0730 - 0800 I try to spy (but lots of distractions at 1500) Anyway, saw 5 birds, saw 2 trips into the woods down a little From the granary. Also heard alot of activity at what I think is Horsetail (& also maybe SHW). Checked out HORS, nothing doing down there, so it must've been 1800 birds down at the corner

9 May Walt reports roosting way up the canyon, but no bird in hole 2-day.

12 May 1415 - 1515 Spied. Birds hanging out by creek & road, but I couldn't find anything.

15 May Walt reports 3 fresh eggs in the snag up the cañon

8 June Set up a platform here

4 Aug 1415 Put food on platform.

5 Aug 1100 Platform empty; added Food & water

6 Sept 1730 Helló'd mid to 1500 hole (nada). Gave Food

7 Sept 1120: Spent a bit watching. They're hanging out in 92 tree

1992 M. Stanback

M. Formiciverus

H-B HNHR

10 Apr 1130 Hello'd holes - nada

11 Apr 0635 - 0705 Spied on uphill tree. Birds in + out repeatedly, saw one (maybe 2) visit to the low hole in that downhill low limb.

14 Apr Roost watch 4 birds into high hole in uphill tree))

16 Apr Set ambush (pain!) Valerie roost watch - 1 bird in

17-19 Apr Roost watch - 1 bird in

20 Apr 1600 Take down ambusher; hello holes - nada

26 Apr 0940 - 0955 Spied on uphill tree - nada.

28 Apr 0810 - 0930 Spied From shack. Nothing. One flight toward woods. Mostly flycatching. 2 chases

16 May 0415 - 0500 Listened (+ watched) for birds waking up here (+ : giving a nest hint). Nothing.

22 May Roost watch. 2 birds went downhill From granary (?), last bird went uphill to the hole in the uphill tree

23 May 1015 - 1030 Spied on "uphill" tree. Nada.

3 June 1200 - 1215 Spy From afar. Saw a bird flycatch in "uphill" tree, then fly due E, apparently intersecting with the fence somewhere beyond the PO patch.

4 June 0835 - 0855 Spy. Nothing at all.

7 June 0945 - 1000 Spy in old fence tree (Val saw suspicious flush there). Saw nothing.

5 Aug The mystery is solved! Val Found nest today! Old babies? Will check tomorrow.

6 Aug 1430 The mystery is not solved. It's not a nest. There was a little grass in the bottom. Val must've been seeing housecleaning, not feeding.

1992 M. Stanback

M. Formicivorus

Hay - Blom — ANHR

7 Sept 0615 - 0635 Spied on uphill tree - nothing (saw 1 bird fly toward 1800's 92 nest hole [though I don't know how far it went in that direction])

11 Sept 0620 - 0640 Spied on uphill tree - nada. (just swallows)

15 Sept 0630 - 0640 Spy " " " "

16 Sept pm Hello holes - nothing.

M. formicivorus

L Hay HNHR

21 Apr Roost watch - no one in "traditional" tree, but I saw a bird in the 91 nest hole when I walked by

22 Apr Set ambush at 91 hole - 3 birds in

23 Apr Ambush! Caught 3 birds, bled all 3, 1521 + 2019 to vet

1521 $\frac{KW\,N\,M}{bB/Y}$ (BM) 2+ (big) testis

2019 $\frac{G\&}{\&\,M}$ (HF) mature ovary, completely inactive, lower tract inactiv.

1629 painted purple, got a 2nd small bleed 1 hr after 1st,

Released 1521 + 2019 at H-B at 0845

16 Sept pm Hello holes - nuthin. W facing square with 14 acorns

1992 | M. Stanback

M. Formicivorus

Blm 3, Blm 2, Blm 1 HNHR

16 Apr 0815-0850 Action at Blm 3! Some chases, apparently involving ♂♂. The ♂♂ that are resident here are 1929 + 1931 From Gazo. They're friendly with a single NOBA ♀. On our way over here we saw 1 bird at Blm 2. A resident? Spillover from here?

9 May Val reports bird Flying From Blm 3 here to DKHW

11 June 0900 Put up a platform w Food at Blm 3 hell'd holes (nada).

*(0910-0930 Spied on Blm 1 - not even a bird sighted)

*(0945 Put up platform w/ Food at Blm 2)

12 June Blm 1 : Put up a platform w Food

4 Aug Blm 1 : 0730 : Put out dog food. Very few acorns on trees around here. Fall nest less likely? (The oak in cecn has already been stripped of its baby acorns)

Blm 2 : 0745 : Put out dog food. Not that many acorns here. Fall nest unlikely?

Blm 3 : 0800 : Very few acorns here. Did I drive down to Hastings for nothing? Put out dog food. There's some wierdness between Blm 3 + DKHW. Some garticks in no man's land, some chasing, some drumming at Blm 3. A NOBA ♀ in no man's land flew towards ORCO. Was followed by a bird From Blm 3. Afterwhich I heard birds at DKHW. What gives?

Blm 1 : 1100 Saw ♀ GW(W)N (1930?) + ♂ here.

5 Aug 1130 Blm 3 : platform empty; put on more

7 Aug Blm 3: Roost watch. Birds in woods in tree w multi-trunk.

8 Aug 1400 (Blm 3) No good holes here. Gave dogfood (also Blm 2)

M. Formicivorus

Blm 1 H/NHR

(8 Aug) 1500 - 1515 Spied. Saw no one.

4 Sept 1700 $L_{\bar{x}} = 16.2$, $n_v = 13.8$, 7.2, 4.9. Food onto plttrm

12 Sept (Hello Blm 2 & Blm 3 - nothing)

16 Sept (" " ")

1992 | M. Stanback

M. Formicivorus

GAZO | HNHR

10 Apr | 1000 Bird in 91 hole!
1230 Climbed. Empty. Few chips.

12 Apr | 0800 Hello'd 91 hole - nada

16 Apr | 0795 hello'd holes - nada

18 Apr | 1430 Climbed. Empty. Few chips.

20 Apr | 1630 Hello'd holes - nada

23 Apr | Why those bloody buggers! Walt Found the nest 2-day in the 91 hole - 3 Fresh eggs! Jim pm watch.

25 Apr | Roost watch: me at low hole tree (nada). Ditto for Jim at P.O.

6 May | 1115 RL = 4.2, LL = 3.9, egg #3 starting to pip. The babies were from eggs 1 & 2 (still wet & bloody shells) One egg infertile - I left it in (#4 or #5) ← I'd bet #5 So clutch = 5

8 May | 1200 RL = LR = 10.7 = (10.4) / LL = RR = 10.5 = (10.2)
RW = RF = 8.4 - 1 = (7.4) / B = LF = 8.1 - 1 = (7.1) egg gone

14 May | Roost watch: Several birds went down the hill (to W) about ½ tween Gazo & CVGR. I'll look for a hole tomorrow. 1-2 birds went into the CVGR hole that's just across from the fence hole. Were these CVGR birds? I may ambush, so we'll see.

15 May | 1300 Found the hole (@ 100 m W of the road, 60 m SW of BBBox #1). Ladder would be nice. Cut open, set ambush (tied off). Also set (& tied) an ambusher at that CVGR-GAZO border hole.
Roosting: 4-5 birds into the Gazo hole, 1 bird into other

16 May | Damn, damn, damn. String got stuck on bark at both holes. Who were those 4-5 birds? There's only 4 at Gazo. Is this postdoc even do-able? I'm ready to quit.

1992 M. Stanback

M. formicivorus

GAZO HNHR

17 May Roost: the hole not watched, but Val & Jim report. lots of activity there.

18 May Set ambush, 2 birds (?) in.

19 May Ambush. Caught ♀ 653 (for doubly labeled H_2O) & 1416 (HM) → put in 2 T implants. Left ambusher 653 had lost a band, I replaced.

21 May Roost watch. Dead, at 1944 I leave and as I walk out a bird flies up, sees me, shrieks, & leaves. Damn

24 May 1400 Took down ambusher.

30 May 1800 Added 2 M. lewis to nest (WDK)

11 June 1100 Put a platform on a low (1 Ft) stump by granary. Acorns on it. Saw M lewis with ♀. she tolerated it's presence within 1 Foot but pecked at it when it approached to beg.

5 Aug 1125 Put dogfood & acorns on platform.

8 Aug 1450 Hello'd holes - nada (though I saw a suspicious flite from near nest hole). Gave dogfood

12 Sept 1630 Hello holes nada. Things screwy here anyway.

16 Sept pm " "

M. Formicivorus

CVGR HNHR

31 Mar 1105 Probable siting of ♀ 1825 a Kurt

1 Apr 1500 About 1000 acorns here. Hello'd holes - nada, but did see a starling flush from the nest tree.

4 Apr 1600 starling nest w 3 eggs in 9! hole. Cleaned.

9 Apr 0715 Hello ↑ hole - nothing. 0825 - Watch a bit Not a. Hello other holes - nothing.

10 Apr Hello holes - nada

12 Apr 0815 Dog Food is ½ gone

0850 - 0910 Watch from under a tree. They are eating dog food! Flights toward the upper area. Yep, there is interest in the fence hole. Several birds looked in it together. I'll climb later. 1330 Climbed. Empty + shitty, so I guess they were just playing.

16 Apr am: hello holes - nada

18 Apr 1450: " "

23 Apr 1330: " "

1430 - 1515: Spied from truck. Saw several flights to area just uphill from traditional tree. Also several in direction of that funky creek hole from 89 (?). Checked up from trad tree, found a hole, but it doesn't look so great. Checked downstream - nada

Roost watch - watched trad tree + the uphill tree → (20 m uphill) - nada

24 Apr 1020 - 1040 Watched from blind in direction of 89 hole nada. I moved + watched 9 & 4 from afar - no movement, just flycatching (30 min). Then walked around helloing. Met Val, showed her 89 hole - bird in! Set blind.

M. Formicivorus

	CVGR	HNHR
25 Apr	1330 Big ladder. Walt checks nest. 4 eggs (he thinks) rather fresh. Nest watch 3-6	s
1 May	1100: 4 eggs (?)	
7 May	1600 LG = 26.8 (9), LB = 24.4 (9.9), R = 28.6 (9.9), K = 22.3 (9.8), r = 19 (8.9). A nasty door.	Hatch 2 May
28 May	1900 Banded 4 kids. (LG fallen out?)	
31 May	0900 Put 3 M. lewis into nest (got a string up)	
11 June	Val does morning watch here, sees 3 awc kids. When I walk up I see ACW savagely beating up a M. lewis chick. It even chased it to beat it again. No platform yet - they like their feeders.	
13 June	Put a platform w food on the fence	
4 Aug	0950 Think I saw ♀ w LBM. Val reports strange birds here with the regulars. One is ♀ 1826, who returns after a lengthy absence. 1/3 of a live oak came down near the granary since I left. Put out dog food. Saw 1042. Some live oaks here have lots of acorns.	♀
5 Aug	1220 Platform empty. Added food.	
6 Sept	1530-1535 Watched ... & saw a bird go to the hole (& in) in the traditional tree (the low hole) Nest! Not having equipment, I free climb. Bird flushes & all is silent (ear to hole ... nothing). Eggs! (?) (Add food)	
7 Sept	1430 4 opague eggs (peeped)	
	Roost watch: 4(+) birds into fence hole, 1 in hole across rd.	
12 Sept	1230 RL = 7.8, LL = 4.5, RW = 5.3, LW = 8.0 (skip could reach m)	
	Est hat: "6.6 4.5 5.0 6.9"	
	NOBA juv feeding! Is it LG?	

1992 M. Stanback

M. Formicivorus

CVGR

15 Sept Nest ambush - caught 1616 (HM). See cap rec. Stress series r lap. 20% crown overlap.

20 Sept Nest ambush - after some craziness I catch J♂ 2038. Sample r stress series.

21 Sept 0630 - 1100. Geez, a long time to sit in a blind. Very slow. B/N fed occasionally, a ♀ juv snuk in (once) and I didn't recognize her til she stuck her head out. Grr. Opened hole - they're down to 2 kids (one bigger). I fed em. Then the head broke off the nail and it took forever to remedy. Roost watch: Soon after arriving, I heard a bird get murdered. Scream after scream. Very disturbing. Watched the fence hole - 2 birds went in.

22 Sept Ambush! But the pole doesn't telescope, r it was a highish hole, so 1 bird escaped while I was poking. Caught 2939 (♀). Sample r stress series. 0615 Nest ambush set r ready. I wait almost 4 hours for someone besides B/N to feed. At 0955 J♀ 2939(!) feeds. At 1014 I catch ♀ 2040. Sample r stress series. See cap recs. I changed the LL bands on ♀2040 (now ON) to avoid confusion w ♀ 1826.

M. Formicivorus

Murf HNHR

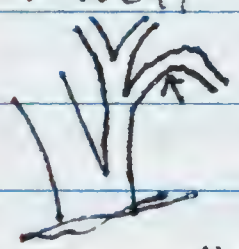
31 Mar 1105 Saw ? R[illegible], 1876 from CVGR. here. Flew to CVGR

1 Apr 1510 No acorns seen.

9 Apr 0830 I hear quite a bit of activity here. ?

12 Apr 0820 Nail a piece of wood to top of fence post & put some dog food on it. They need encouragement.
0950 Platform Food all gone! (pies?)

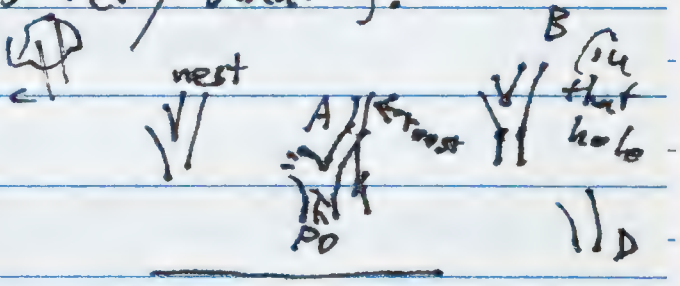
10 May 0910 - 0920 Spied from CV2. At 0920 a bird flushed from a limb and another immediately flew to it & went in a hole. Nest! In the uphill tree



climbed. 4 well incubated eggs, 1 of which is infertile. Should hatch soon. Set blind.

16 May 1130 Mv = 22.7 (10.1) DG = 21.8 (10.1). Val, next time tell me when they feed during an incubation watch. Oh well, missed brood reduct. Found remains of all 3 eggs (+ the infert - I removed) its very small).

17 May Roost: several birds in tree A



maybe 1-2 in tree B
1 bird Flew to CV1 to roost

19 May 1000 checked out roost holes: couldn't find A-hole, I free climbed B hole (yuk) and tied-set an ambushes. Wood too thick to cut for a dubious ambush, so I just drilled a small hole down at the bottom. I'll blow thru this & Freak the birds out. A big piece of tree recently came down 100 m SW of here. Cloudy. Roost: Val reports birds in C & D.

24 May 1430 Took down B ambusher, set (& tied) one at nest.

1992 M. Stanback

M. Formicivorus

MurF HNHR

27 May Nest ambush. Start 0630. Caught 1774 (after 1 mishap). T implant.

28 May Nest ambush. Foggy. Start 0645. Birds around but wouldn't feed. ♀ Finally fed once, then dead again At 0815 the ambusher fell (birds went nuts) I reset. At 0830 I sent Val out of the blind to draw off the birds, but when still no visits by 0905, I quit. Retied ambusher (far back). Will try again Saturday. The birds were acting wierd... some garricks & drumming.

29 May Nest Ambush. Start at 0730, ♀ showed & fed at 0800, then crows, a little wierdness, and Finally caught ♂ 1813 at 0850. He's molting and his right eye is dark like a baby's. Bled & control implant.

30 May 1800 Added a runt M. lewis to nest.

4 June 0700 Banded & bled kids (2).

4 Aug 0940 Put out dog food. Sycamore fell nearby.

5 Aug 1215 Platform empty: added food.

6 Sept 1540 Hello'd 92 hole (nada), added food.

8 Sept 1620-1635. Spy From above CV2. Sometime's I amaze myself. Found today's 4th nest! Its in the tree off toward CVette, Further out on the same limb I made the 85 cut (I think this hole is also open) Don't seem to be incubating or feeding old kids

9 Sept 1645 LG 39 (13.4), LB : 43 (13.8)

13 Sept Arrive 0740, set ambush by 0830, wait (Cooper's hawks, spooky birds) Adults feed some, no juvs, ball falls at 1045. I tie it off & bug it

1992 M. Stanback

M. Formicivorus

MurF — HNHR

14 Sept Ambush set & ready at 0715. Birds started feeding @ 1 hr later. J 2083 ♂ went in at 0940. Got him! see cap recs. My first "juv feeding kids" blood! Phew! LB = 54, cul = 16.4, P = 7.5, T = 6, 8 LG = 50 (16.4) 5 (2, 4). Gave kids some dog food.

17 Sept Ambush set & ready at 0830. ♂ 1774 Finally went in at 1010. Got sample & 3/4 stress series. After cort 3 I decided to take out implants (T). They were both (together) just behind the wing. It ended up being harder & more traumatic than I had hoped, so I released him afterwards. I hope I did more good than harm. I then banded & bled the 2 kids, who are growing very slowly (a little small for b-b but hey, I was in the tree.) Fed them both dogfood

1992 M. Stanback

M. Formicivorus

	CV1	HNHR
31 Mar	1120 $\frac{Y-O/M}{Y\,DG}$ = 1090	
1 Apr	1515 ~ 400 acorns. Saw a bird Fly From CV1 → MurF	
9 Apr	0720 Hello 91 hole - nothing	
12 Apr	0825 Nail a platform on Fencepost. Add dogFood. They haven't touched Food bottle. Hello'd 91 hole - nada. 0930. 0945 Spied. A bird Flew From low in syc to gran	
18 Apr	1500 Hello hole - nada	
23 Apr	1340 - 1400 Spied. Bird Finally went to 91 hole. Climbed - recut - empty and a little damp, but the chips seemed freshish.	
25 Apr	1000 : 2 fresh eggs. Numbered (#2 new)	
9 May	1650 Some damnable creature had nibbled through the string, so I had to put up a new one. Cold kids. RL = LR = 7.2, LW = LF = 4.1, LL = RR = 6.1, RW = RF = 6.1)	
14 May	0845 Hey, that creature is at it again - chewed thru the string. I'll wait til banding to re-climb.	
30 May	1800 Added 1 M. lewis to nest.	
1 June	Banded 2 chicks. What happened? Easy Tree climb!	
13 June	Put a platform on post by the trough. (with Food) Saw a juv M. lewis.	
4 Aug	0930 Put out dog food. 1/3 of a live oak Fell	
5 Aug	1210 Platform empty; added Food	
6 Sept	1550 Hello'd hole (nada), gave Food. 1620 Hello'd hde - bird inside! It Flushes + I hear hatchlings! Dog my cats!	
7 Sept	1500 What a nightmare - took forever to get the door out (overgrown + a Fungus grew inside)... 1/2 hr!	

1992 M. Stanback

M. formicivorus

CV1 HNHR

(7 Sept) Babies cold. RL = 15.4, LL = 14.5, RW = 7.9, r = 3.25 (took)
[Runt became ID # 2144 (tissue sample), Remains into formalin]
1605 Walking by the windmill I hear a scream (ACW) right behind me. A Cooper's hawk (♂? small) has an ACW. Hawk doesn't have a good hold & I chase them as they approach the ground. They hit & separate. Woodpecker flies off fine, but Cooper's goes after him again. I scream & flail some more and they head in separate directions. So... alarm calls do attract larger predators (me). All this was ½ hr after I watched an eagle catch & eat a ground squirrel.

8 Sept 1610 Same place... a Cooper's uses me to flush quail

1992 M. Stanback

M. Formicivorus

CV2 HNHR

1 Apr 1520 Lots of acorns - didn't count but would estimate ~3000. Granary ~ 2/3 Full.

9 Apr 0725 - 0815 Spy, hello holes. Bird seen near top of holy tree. Starling nest in top by road. Did these guys nest last year? Is this finch effect? I hear birds at RMUM

12 Apr 0830 - 0845 Watched from CV1. Saw two birds. All flights were toward OKCO!

18 Apr 1505 Well, well, a low level power struggle. Chasing, drumming, a few garricks, and obliviousness. And me w/ no scope! 4-5 birds here

23 Apr 1410 All quiet here. Hello d:nada. Starling nest in vertical dead limb over road. Old babies. Must die.

4 May 1830 Hello holes - nada. Starlings deposed.

10 May 0805 - 0835 Spied. The 2 birds were together in the granary almost the whole time (monog mate guarding?) except for 2 brief trips up the canon (1 bird) and 2 forays: ~~1~~ 1 bird flew out of granary, straight down CV and disappeared into/over the trees between MusF - CVGR. The other bird would go only as far as MILL. This happened twice. I don't think they have a nest.

0840 - 0850 Spied on DKHW - nada. (Val had seen birds here)

17 May 1500 Bird in canyon hole! 5 relatively fresh eggs!

27 May 1215 14.5, RL = RR = 9.2, LL = LF = 9.2, RF = RW = 9.1, r = 3.5

17 June (est 13, 8, 8, 8, 4 at hatch). Banded 4 chicks.

M. Formicivorus

CV2 HNHR

4 Aug 0900-0930. Saw 1911 (who was just over at DKHW) J 2107, 2108, 2109. Was I hallucinating or did I also see a NOBA juv. (there was a chase when I arrived)

8 Aug 1430 Having just Found RefI's 2nd nest, I realized that CV2 could well have nested again. Hello - nada. They still have plenty of acorns

6 Sept 1600 Probably just a branch squeaking, but I thought I heard a hatchling in the granary.... Oh yeah, hellod all holes - nada.

7 Sept 1600 Hello - nada. (Before this an eagle was eating squ in gran)

8 Sept 1620 " "

13 Sept 1500 "

1992 M. Stanback

M. Formicivorus

OKCO HNHR

1 Apr 1530 No acorns

4 May Roost watch: Looks like mate-guarding to me. 3 birds together constantly. Right before dark a 4th bird showed up, but it appeared not to be appreciated. I'll swear there's a nest in the tree uphill from the bee tree. Census manãna.

5 May Jim was supposed to census (he knew where to look for the hole). Val went instead & ended up watching activity at a group beyond the dead sycamore.

6 May Jim goes to census, doesn't get 3rd bird ID'd, he goes back (grr). ditto. Argh. Hole, what hole...

7 May 1300 I go & find nest immediately right where I thought. Took forever to get to it & prune. 2 fresh eggs, no chips at all (though a ♂ was tapping inside when I arrived. I set Val up for a 1430 - 1630 watch.

9 May Roost watch. 1 bird checked out the hole I was watching, then left. Mucho birds at the nest hole. I was watching the nest ♂ ogran bee ♀ my tree

J & V report NOBA ♂ here. Also report on ~~wapp~~ was chased alot on 8 May, but now he's one of the family.

17 May 1400 Cut open hole (it's connected to the upper hole) Only 2 eggs! Both opagne. But I remember they did look fresh on 7 May, so they'll probably hatch tomorrow! Tied up an ambush.

21 May Val reports no visits to hole in 3 hrs! Damn. Abandon?

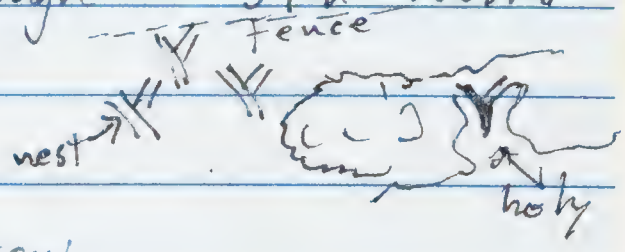
M. formicivorus

OKCO HNHR

22 May 0900 Arrive, no one in hole. Climb. Eggs cold. Abandon. Took eggs, removed ambusher. I don't understand. It was a very inconspicuous door and ambusher. Took eggs to lab + opened. One chick had died early on, the other after I cut the hole. Put in nunc tubes.

11 June 1020 Put a platform w Food on the fence

16 June 1830 After much fuss I set an ambusher on the nest hole (I peeped it; empty + had some junk in it). Jim had mentioned birds roosting in the sycamore snag the other night so I went over to check it out. On arrival a bird flushed with a big bug in its bill. Hmm. Nest?? or just coincidence. I hell'd but saw/heard nothing. Several holes around but none looked good. I spied on the tree from 1900 - 1920, but no one came to it. I then went back + watched at the ambush hole. No one even checked it out, though I bird roosted in the 'holy' tree to the S of the nest tree. C'est la vie. Looks like no lapping tomorrow.



4 Aug 0900 Put out dog Food.

M. Formicivorus

Dark Hollow HNHR

Val sees a bird here

11 June A bird here!

13 June I put up a Food platform

4 Aug 0830. See Blm 3 notes For 4 Aug. There is a group here. Two birds seen together harvesting acorns. There is some wierdness though (Blm 3, OKCO, CV2). I saw a ♀ OKM. I don't think this is ♀ 1965 - it didn't look at all like RWW)M. Put out dog food ♀ $\frac{ODB/M}{Y/KO}$ decent look. Close but no cigar as 1965. (Was 1965 a good ID on 920616? Check.
→ This is CV2 BF - but she was not seen in the granary, so... intruding?

5 Aug 1200 Platform empty: added Food.

8 Aug 1420 " "

6 Sept 1610 Hello holes - gave em dog food

1992 M. Stanback

M. formicivorus

UPHF HNHR

18 Apr Ambush. Caught all birds. Banded ♀, plasma from all others ♀ not painted, 1808 = Face pink 1285 = yellow, 1647 = blue Took 1285 & 1647 to Dr Murray for laps (0945-1015)
1285: large testis, well developed vas deferens
1647: testis not as large, but v.d. well devel
Released both birds back at UPHF at 1100. There was some activity here - hopefully 1285 & 1647 will whip thing back into shape.

9 May Walt reports bird in hole at top of next cañon

10 May 1430 Climb. 3 fresh eggs. Didn't cut. Instead put up a blind (very close - tried to camoflage w branches I had to cut to get a clear view) and did a watch. Hey, this limb is very dead. I'm not sure I want to be hanging under it when I saw it open. Walt, did you climb this?

12 May Walt cut open the hole - eggs not fresh. clutch = 3
Val watched roosting & no birds roosted in trad tree

14 May Still not roosting in trad tree.

15 May 1230 Looked for other holes in nest tree - there's just 1 small ugly one. Hmm. Checked nest - still not hatched

18 May 1200 Still not hatched! At least I didn't hear any.

20 May Walt reports big babies here (14g). Was it dusk?

25 May 1020 $\bar{TG} = 40$, $\bar{R} = 36.5$, egg still there. Set ambush.

27 May Nest ambush. Start 0830. Caught 1285 at 0856. T implant.

1992 M. Stanback

M. formicivorus

UPHF — HNHR

28 May Nest ambush. Start 0930. ♂ fed, then ♀, then caught 1647. Control implant, green paint. Roost watch. Bird flushed on arrival (Val), Walt came up, but no one returned to roost. At 2100, I got the kids. DG = [redacted] 63 (15.3), R = 61 (15.4). They will stay at Red House 2-nite, will return them in am. Ugh.

29 May 0355 Returned chicks to nest.

6 June 1330 Banded the 2 chicks here. Lotsa cliff swallow bugs. Babies big (2095 had fat tarsi)

4 Aug 1035 Put food on the platform I erected in June

4 Sept Fall Nest! Walt bands kids today (see his notes)

6 Sept 1640 Gave em dog food

0

1992 M. Stanback

M. Formicivorus

MPHF HNHR

1 Apr 1410 ~~[redacted]~~ 200 acorns (300 if that tree isn't UPHF)

4 Apr 1500 Walt had reported bird in hole above '91 nest (other limb). I checked - empty.

14 Apr Jim sees 1 bird roost in low hole, Valerie had 4 birds in the high vertical hole at UPHF

15 Apr Roost watch. Lotsa wierdness. 1 bird in W tree in cutout (2 door), at least 2 in 91 nest tree in lowish hole under the knot. (Ambush set at UPHF - nada)

21 Apr 1430 Val reports birds in the 90 hole (double door in hard to climb tree) & showing great interest in looking in it. I climb & peep (a pretty good one I'd say) Empty but nice chips. Probably egg tossing. I set a blind. I'd like to get their blood. The ambush is still set on the 91 hole. I hear activity on the backside of Haystack across the road From PHF.

26 Apr 1400 - 1630 Watched For egg tossing. Not a damn thing. No one even visited the hole (tho were in tree)

28 Apr Both ♀♀ lay in the good hole (this brings egg total to 4 [3 normal + 1 runt]. Jim does PI watch, reports only 1 ♂ & 1 ♀ showed (but both incubated)

29 Apr Set ambush at the upward Facing knot hole. One bird checked it out but didn't go in

10 May 0730 Eggs 5, 6, 7 unhatched. RL = 4.6, LL = 4.4, RW = 4.5

1400 Egg 5 pipping.

1715 Egg 5 way pipping. Marked 1 w egg tooth sharpie.

M. formicivorus

MPHF HNHR

11 May 1700 RW = 11.5, LL = 12, LLB = 5.8, r = 5.9, RL = 12.3 LW = 9. I dropped my pen so I was unable to freshen the paint on some (most) of the babies.

14 May Roosting in nest tree (downhill?) and in a snaggy tree ~~of~~ to W

15 May 1225 I checked the snaggy tree & found no holes. I think the "downhill" hole in the nest tree is actually in the middle of the tree, facing E. Even as I stand here, crows are hanging on the grating pulling out dog food.

18 May 0850 - 1150 Nest ambush! Caught 1966, put in T (2 tubes) I hope it stays in. When 1962 went in I pulled & it got stuck on bark right by the hole. 1962 flushed out, but 1613 went right in! Crows & Cooper's hawk harassed the ACW's all morning 1962 finally went in (see cap rec) & we put in ~~one~~ 2 empty tubes. 1966 = purple, 1962 = green. Saw all birds at MPHF

1200 O = 28.4 (11.8), R = 42.6 (13.6), LG = 38.9 (13.1) Y = 33.4 (12.2) B = 39.5 (13.9), W = 28.4 (11.4). Adults fed dog food early on, then insects.

25 May Nest ambush! After 1 hr 15 min (started 0800) The 2 females fed like gangbusters, 1613 finally got cranked up 1780 visited alot. No sign of 1966, 1962. 1615 finally showed up & we nabbed him. Bled & put in control implant.

26 May 0842 After 1 feed & 30 min (start 0810), caught 1613. T.

M. Formicivorus

	MPHF	HWHR
30 May	1800 Added 1 M. lewis to nest (so a total of 7!)	
4 Aug	1030 Put out Food on platform. Took down last night's ambusher - no one went in. Not much of an acorn crop here.	
6 Sept	1635 Hello holes (nada). Gave 'em dog food.	
8 Sept	1730-1735 Spy. 1 flight from near nest, 1 to other tree holes (area) and 2 flites to a point in the decrepit tree past that one. Hello'd - nada. Food	
12 Sept	1145-1155 Spy. Nada	
13 Sept	1240-1330 Spy. Very slow, but saw 2 flights to the "other" tree (historical nest). Will check. Climbed. It's about 1 m deep. I think not a nest.	

M. Stanback

M. Formicivorus

LPHF — HNHR

1 Apr 1400 Less than ~~20~~ (20) acorns

29 Apr Walt reports nest w 3 eggs!

1 May " " 4 eggs.

9 May Zwounds! Walt reports 2 hatchlings. This is 2 days early Folks - gonna be some major async!

10 May 1730 RL = 8.0, LL = 7.55, RW = 4.3, LW = 4.7

11 May 1730 RL = 14.3, LL = 12.9, RW = 4.6, LW = 4.4. These runts look bad, so I removed them to Plge (hey, I need helpers next year!)

4 Aug 1030 Put out dog food on LPHF-MPHF platform.

6 Sept 1635 Gave em d Food.

8 Sept 1745 Opened hole - fresh chips. Put out food

13 Sept 1345 " - ~~Sept~~ no eggs. Bird in tree on arriv.

M. Formicivorus

W Gate — HNHR

31 Mar 1200 Saw 3 birds here.

21 Apr 1200 Hello 90 nest hole - nada

23 Apr Walt reports nest in "traditional" (the lower) hole. 6 babies (5 d.o.) one is ~~declining~~ small.

11 May 1600 Banded 6(!) babies here. Small tarsi;

8 June Put up a platform, but no food on it yet.

4 Aug 1330 Put dogfood on platform. Watched for 10 min (nada)

5 Aug 1215 Food still there.

10 Sept 0835-0845 Spy. Nothing nesty. Just random flycatching

16 Sept 1200 Bird in hole! An old ('75) hole facing Stromberg's gate.

1500 Well, its a different hole. Walt climbed (*@!), cut (@*!) and found it to be empty (!*@!!)

1992 M. Stanback

M. Formicivorus

	Gate	HNHR
1 Apr	0930 Saw 3 birds here Flycatching	
21 Apr	1100 Jim reports bird in 91 nest hole	
	1500 I see bird in hole here	
25 Apr	1030 Bird in hole. I climb - empty but nice.	
26 Apr	Never saw " " ". No birds at Hors, AvF T	
29 Apr	1500 Hello - nada	
19 May	1055 - 1105. Spy. Bird From gran towards AvF, also a Flight From School Hill to gran. Finally I see a suspicious Flight to the square nail Flat tree (backside limb). I check it out & there's a nice hole! Cut open. 2 hatchlings, 2 fertile eggs!	
20 May	1111 RL = 8 LW = 5.8, RW = 4.5 LL = 3.3. LL was still in OK shape, just small.	
22 May	After all that.... Jim watched & saw 2 visits in 3 hrs. Ants!	
8 June	Put up a platform in square nail Flat. No Food yet.	
4 Aug	1320 Dog Food onto platform	
6 Sept	1445 Hellód hole - nada. Gave em dog Food.	
10 Sept	0815 - 0830 Spied on 92 hole tree. A Flicker appeared From where hole is. I doubt its an ACW nest	
	Hellód sycamore holes - nada	
11 Sept	0655 - 0740 Spied Several Flights to 92 tree, but mostly seemed to be hanging out there (rather than visiting the hole). Also, yesterdays Flicker was in next limb over	
	1300 Bird in double hole in road sycamore (and ~~Red~~	
13 Sept	~~do not disturb~~ 1515 Bird in hole. Need a climb.	
14 Sept	1400 Bird in hole. Climb. Empty! (Limb breaks & falls on me while I climb - Fun....)	

M. formicivorus

Misc Groups

WolF HNHR

23 Apr See ~~xx~~ 1 bird here (driving by)
25 Apr 1110 Again, see 1 bird here.

Dark Hollow

11 June After a long abandonment, I see a bird at DKHW
(Val had seen a bird here earlier in season)
13 June Put up a platform with food.

8 Sept Outback pm - hellod holes - nada.
Ron Mumme pm - " " ".

10 Sept 0800 3 birds at Horsetail. Didn't have scope.
16 Sept WolF: Thought I heard birds here.
Wrp 5: The nest tree Fell.
Valhalla: " " (bees!)
ROWA: hellod holes - nothing.

1992 M. Stanback

M. formicivorus

Pipe [redacted] HNHR

23 Apr Drive by again. No one here

25 Apr 1100 2 birds here. Needs census.

1530 ♂ $\frac{DB\ DG}{DB\ M}$ = ~~1689~~ is this → 1388 (BM from SHIL). Quit at 1640 (only got that one look)

29 Apr 1510 Saw 1 bird

6 June 0815 ♂, ♀ at Pipe. ♀ had $\frac{O\text{-}Y/O}{O}$ (a wild guess) but I did see O on both legs. No ID on ♂ (maybe K) Hey, the ♀ must be 1468 from last yr ($\frac{O/LG\text{-}O}{O/LG\text{-}O}$) Is the ♂ 1689 ($\frac{K/M}{LG\text{-}W/DB}$)? Quit at 0830.

7 June 1015 - 1045 Spy in truck - nobody shows!

8 June Put up a platform with food.

4 Aug 1340 Put dogfood on platform.

1355 ACW flushed from platform.

5 Aug 1220 2 ACW's. Food gone. Added more + water

Roost watch: 2 birds into 91 nest hole.

6 Aug Set ambush: both birds in. (Food gone)

7 Aug Ambush - see cap recs ♀ 1468 & ♂ 1388 (not 1689

♀ ovaries small but possibly developing - not commited yet

♂ large (very) & red (hypertrophy & hyperemic). So he's probably cranked up (or has an inflamed capshie

So... 1388 was a SHIL BM last year, when did he disap from there? Arrive Pipe 00 Ap 92

4 Sept Hello high hole (nada), put food on platform (+ H_2O)

6 Sept 1450 " " " "

8 Sept pm hello - nada. Gave food.

10 Sept 0900 - 0910 Watch - nada, hello - nada

M. Formicivorus

Road 1 HNHR

31 Mar 1040 LP-K/LB : 1573 seen at 91 nest hole.

19 Apr Before roosting, V & J report garwicks, druming chasing.

26 Apr am. Despite the wierdness of 19 Apr, Finch effect birds are still there.

6 May Roost watch: Not a peep, except for some noise down towards Wolf. I torched R1 & Wolf holes & got nothing.

6 June 0845 I see a ♀. Good ID of ♂ 1573. ♀ is KPN/W (or maybe RWN/M). Anyway. A suspicious Flight. Then, using my unparalled nest finding abilities, I find the nest. Babies! Bird still went all the way in. The nest is SE of the big skinny snag over by the creek. wow! No longer finch effect!
1630 Cut open hole & banded 2 22-day old chicks. Yikes!

7 June The plot thickens... the BF (1683) showed up today... and the "new" ♀ is actually 1938, a HF born in 91. Incest!!

8 June Put up a platform. Put some food on.

4 Sept Put food on platform, the sycamore granary leaning.

6 Sept 1500 Hello'd 92 hole (nada), gave 'em d food.

10 Sept 0915 Arrive & w/in 2 min a bird flies down to 92 hole (not visible). I hello shortly thereafter, but nothing.
1100 Damn! An old chick! Banded, bled, set Val for watch

4A SHIL empty

~~1992~~ 19 | M. Stamback

M. Formicivorus

Fnch | HNHR

8 Aug | Wierdness here! Chasing etc. Val watches & reports 4 banded birds, 3 NOBAs (NOBA's winning). Roost

9 Aug | Set ambush & roost watch. Still wierdness, but now it seems to be a ♀ & ♂ pair (NOBAP). The ♂ spends alot of time chasing a 3rd bird. Others around. I set a high hole (yuk!) ambush in the sycamore. ♀ checked it out once before dusk & looked suspicious (~~hole was connected~~ the hole had 2 entrances so I blocked one of them). No one into hole. Damn.

10 Aug | 1540 I came by to check the ambusher (I left it up - what the hey). Its OK. ♀ here is KK.

M. Stanback

M. Formicivorus

R3

HNHR

10 Apr 1300 Stopped to remove Feeder. 2 birds in top of tree

18 Apr After many unfruitful censuses, Jim roost watches & gets 3 birds into 91 nest hole.

19 Apr Set ambush. 4 birds go in (1 at 1900, 3 at 1910)

20 Apr Ambush! See cap recs. Caught 1451, 1510, 1633, 1982
Both 1510 & 1633 have black in their crowns like a ♂

nG / N Rg 1451 BF 77 30.7 143 82 purple, ~~medium testis~~ mature oocyte 3mm diam.

K / N m 1510 BM: 79.5 33.4 145 83 pink, medium testis, v d somewhat level

BOB / Y m 1633 BM: 76.8 32.65 144 82 yellow, big testis

m WB / O G B 1982 HF: 69.5 30.2 138 81 green, inactive mature ovary

29 Apr 1510 Hello holes - nada

9 May Walt reports bird in hole (under Knot Faces creek)

10 May 1030 Yo! That's a high hole. Bird at it when I drive by.
1130 Climb. 4 Fresh eggs. Set blind

21 May 1730 O = 18.5, LB = 18.8, 16.4, 10.3 (looks OK)

9 June 1200 Banded 4 chicks & set up a platform (with Food)

4 Sept 1200 2 birds Flushed (suspiciously) as I approached.
Put Food on platform.

6 Sept 1510 Birds in granary on arrival (by foot). Gave Food.
1700 Drive by - no one in holes.

8 Sept 1600 Drive by - birds here, but not in holes.

14 Sept 1500 Drive by - bird in hole! I climb - it's ~~just~~ old kids!
I run back - get bleed stuff. So that's why there were no birds in the hole - they were past that stage.
2 Fat & sassy kids, 1 tiny runt (but looks OK) Band & bleed.

1992 M. Stanback

M. Formicivorus

SHIL HNHR

4 Sept Set ambush at nest hole (faces Hastings, NE corner of Field in woods)

6 Sept 0800 Ambush is set. I'm in blind waiting. Wait until 1100. Its been pretty quiet. 1385 & 1426 fed a few times, that's it. I'll try again tomorrow.

7 Sept Trying again. Set & ready by 0720. slow. just 1385 & 1426 but BG showed up at 0845. But at 0850 someone got their foot in string & sprung it. Gave up at 0920

R = 68 ch = 41, 6th 1° = 17, T = 17, TS = 9 18.0

LP = 42.5 5 4 1 cul 16.8

Fed the kids & left ambusher up (tied)

9 Sep	1230	81g	c 53.5	IS 22	1° 27.5	TS 12	T 24	2° small	18.9	LB R	M DB
		54	34	10	11	3	7	"	17.9	DG DG	LG M

81 M = 912.42748 54 M = 912.42749 Fed both

The whole story: set & ready at 0815; gave up on juvs at 1145. Nabbed 1426 at 1150. 9 fed some today. SIP CAP ROC

1992 M. Stanback

M. formicivorus

Arf Too HNHR

17 May 1130 Hello holes, bird flushes from top. Babies!
1630 RF = 15.1, LF = 15.8, r = 10.3 ← a little thin
No egg in nest, though lotsa shells. clutch = 3 ?

10 June 1030 Put up a platform w/o food.

7 Sept 1145 Hello'd holes - nothin. Gave em d'food

11 Sept Walt hello's - nada

17 Sept Walt reports 2 birds in upper hole

18 Sept 1600 I check both holes - empty + Filthy

1992 M. Stanback

M. formicivorus

BKOK HNHR

14 Ap Roost watching at A1 I hear birds at BKOK

15 Ap 0900 No action here when I stop by

19 Apr 0950 - 1010 I spy From uphill, get ♀ DD
1030 - 1100 Watched From BKOK proper. Saw a NOBA ♂ in residence (involved in some chasing). Also saw ♂ LG-W/OG = and ♀ W-R/M =
♀ was seen w NOBA ♂ (maybe shes RW(N)M

4 June 1400 DB = 48 (13.7) = 31 (13.3)

8 June Damn, Val reports that no one Fed this morning. Damn. Methinks cutting a hole and setting an ambush should be done in 2 steps, not one.

10 June 1000 Put up a platform w/o Food.

6 Aug 1030 - 1055 Spied on nest limb From Lamb, saw only 1 bird & it did not go to hole (though it did land about 10 Ft away)
1200 Hell'd holes - nada. And there's not much in the way of acorns (there's a lot of aborted live oak acorns)

5 Sept 0800 Arrived hearing several birds. Saw ♀ 1190 but also a ♀ (looked & sounded like a juv) OKM/OLG. Some chasing but don't know who involved. Later saw NOBA ♀ (juv) sitting in same tree as 1190. No ♂ seen. (Also hell'd holes on 4 Sept - nada)

8 Sept 0800 Hello - nada. Spied 15 min - nada. Still have Food.

11 Sept Hello holes - nada. Counted acorns - it sux up here, and they're already storing. No nest?

1992 M. Stanback

M. formicivorus

	A1	HNHR
1 Apr	1730 Still has acorns, estim. ~800	
10 Apr	1630 Put 2 feeders up. Hel6 holes - nada	
14 Apr	Arrived early for roost watch, hellod holes - nada, no food eaten from feeder. Around roosting time @ 6 birds suddenly showed up. They moved around as one, never more than a foot away from each other, (mate-guarding in a big big way) Finally roosted at 1900 in last years nest hole. Dare I ambush? The A1 tree is dead. Also I heard birds at BKOK r saw birds at LA2	
15 Apr	0820 Not having extra paper, I'll put this here. Saw a bird in BKOK - BIAN no-man's-land, it flew down toward SOBO. No action at BKOK. None at A1 1700 Climbed 91 nest hole to set ambush. 4 fresh eggs. Didn't get 'em out, just left to ambush elsewhere.	
26 Apr	1330 3 babies, 1 pipping egg (the pip was bleeding [partly dried] and I heard/felt nothing inside. #mm Clipped toenails: FR = 4.45 FL = 5.5 RR = 4.4	
2 May	Roost watch (me r Jim) Birds wanted to go in the low hole, but changed their minds (alot of yelling - did they see Jim?) Anyway, they ended up at the nest tree - 2 into nest, 3 into the high hole (big)	
3 May	Set ambush at low hole in woods. Nothing	
6 May	0900 RR = O = 46 (13.7) 1.5 // RF = Mv = 41 (12.9) ♀ LF = R = 45 (14.35) I No sign of 4th or egg. I assume it did die while pipping, but maybe br	
11 May	0845 Added in DB from LA2. Weighed A1 kids →	

1992 M. Stanback

M. Formicivorus

	AI					HNHR
(11 May)	O	67.5	17.4	14.6	8.5	14
	Mv	62	17	14.5	8	13
	R	64	18.1	15	16	10	12.5

10 June 0945 Put up a platform w/o Food

6 Aug 1215 Gave em some dogFood.

4 Sept Hello'd holes - nada. Gave em some dogfood.

8 Sept 0830-45. Spied. Birds going to the cavernous hole - making alot of noise (just starting?) Nope, chicks!
1145 LB = 20.4, 17.5, 14.0 (3 kids). Gave dFood

18 Sept 1500 Got blind etc ready for a nest ambush. Skip reported 3 juvs feeding alot here yesterday.

19 Sept Damn, shoulda set ambusher yesterday. Set & ready by 0730. Birds started coming w/in 20 min, though only 1340 was really willing to go in. All 4 juvs showed at one point or another, but none were willing to go in. B/N 1562 (not on Field list) showed up too! Birds knocked down ambusher at 0830. Reset. By 1100 the glare was really bad. Finally quit & tied off ambusher at 1130. Damn.

20 Sept It just gets worser & worser. Set & ready at 1430. No juvs. Bird knocks it at 1530. Reset. At 1725 a juv Finally looks [redacted] in, but doesn't go in. Quit at 1735 & retie. Why no juvs?

21 Sept Set & ready at 1330. At 1400, a juv grabbed the monofilament & yanked. Reset. Caught @ 2033. Sample & stress series. Banded & bled kids.

1992 M. Stanback

M. Formicivorus

	AI	HNHR
22 Sept	Nest ambush! Set & ready at 1330. At 1353 BM 1026 went in followed by Juv ♀ 2034. Slam! Got 1026 out Fine, but 2034 was nowhere to be found (hiding up in the unreachable unseeable area.) plugged the hole & did 1026, but went back up & still no 2034. Dumn. I gave up & took down ambusher. See cap rec. Well, that's it for 1992. A crazy, wierd year. See ya in the Funny papers....	

1992 M. Stanback

M. Formicivorus

KOUT HNHR

1 Apr 1745 Estim ~ 400 acorns left. Roost watch - nada.

10 Apr 1650 Hello holes. Is that KOUT birds at FAAR

15 Apr 0755 Saw ♂ MO, an unidentified ♀ [redacted] at FAAR
0845-0900 Spied! (KOUT) Bird went to a hole start in dead tree (I noticed lotsa chips on the ground in this area earlier this am). Didn't stay long. Saw 3 birds. At end 2 more flew up (from FAAR but appeared to be chased toward ARSW). However, even after this I heard birds at FAAR.
0905-1000: FAAR watch. A ♂ lives here $\frac{M}{K\text{-}W(r)}/O$
There's a Flicker nest building in a new low hole in the femaline tree (faces ravine). ♀ ACW MO went to the high "nest tree" hole twice.

18 Apr Checked holes w Flashlight - nada (I hello'd before dusk)

19 Apr 0800 hello'd holes - nada. There's wierdness in the FAAR - KOUT area. Just intruders.

22 Apr Ambush! Jim said he saw 3 birds go in, but after 5 hours we gave up on trying to get the 3rd bird. Got 1127, 1221 (who wasn't on Field list)
I'm not sure (Jim left early) there was a 3rd Bird - I poked around w sticks, let it sit 2 hours while intruders were in the tree (not for 2 hours) and finally tried smoking them out. No go. A shitty day.
Oh yes, the bands on these are now: (I changed...)
1221 $\frac{LB\text{-}Y}{KW\,r}/\frac{m}{LB}$ 1127 dp lg / dp lg

26 Apr 1300 Hello holes - nada

1 May J+V report 3 birds in a hole in the burned gran at 1820

M. Formicivorus

KOUT HNHR

2 May 0745 Jim shows me the hole. No one there. Its the middle hole in the trunk (burned-dead) Facing ARSW.
0845 I check the holes (there are 3 here) The middle one has mold & is a dead end, the one on the left is OK; the one on the right is nice - but I'm not sure whats really up.
1830 Set ambush at right hole (what the heck). Didn't cut it open tho (since not sure). Shoulda. 4 birds into hole. Ambush tomorrow. Yikes.

3 May Ambush! But not 4 birds - just 2: 1127 (bled quickly) and a NOBA ♂ (now 2022). Who is this bird. Are there 99 here at all? I did notice a NOBA ♂ yesterday eating acorns when the owners left. Paint: 1127 = pink, 1221 = blue, 2022 = blue cheeks, yellow forehead spots
Roosting: Set ambush again (cut the hole open). No one showed any interest in that tree

6 May 0915 Hello holes - nothing, but lots action at ARSW.

11 May 0900 Hello holes - ".

1015-1050 Spy. Bird to high hole in the big Valley oak toward AI FAAR KOUT Summit. 1100 Get strong up, get rope up, climb - it's a bluebird nest (4 eggs) The hole right below it is empty & dirty (not in nest mode). Damn.

17 May 0730-0800 Try nest spying. but they're too interested in the power struggle at FAAR. So am I. I do see 1127, 1221, NOBA ♀, & NOID

M. Formicivorus

KOUT HNHR

(17 May) 0900 While spying on FAAR ps, I see 2 KOUT birds at a hole in a small dead tree SW of burn tree. Hole doesn't look great, but hey, a second visit as I write Time to climb. Faces SE... Well, this is the 1st good thing to happen in days... 1 fresh egg! I probably blew it though... by cutting it open - I shoulda just left it til later - they'll probably abandon now. Oh yeah, the 2 birds I saw at the hole were 9 r 1127 (pink). Set blind. Watch this afternoon. Hope. Damn, damn, damn, damn, damn, damn. Jim reports no visits to the hole. Why did I cut? Damn.

18 May Chill out. All's well, they just didn't visit on 17 May. Except the only ♂ visiting the hole is 1754 (not on Fieldlist)

24 May 0950 Checked hole - empty!
1007 - 1027 Spied from ARSW - no visits to burn holes (even though birds in that tree)
1035 - 1125 Spied from Hastings side. Saw 4 birds. No real hints anywhere. Maybe slight mate-guarding. There was a visit to the monster hole.

29 May 1520 Bird at the "junkpile" hole (the nest). I go over & climb it - empty. Egg tossing? Wierdness.
1640 - 1705 Spy. At one point a bird flew to a yucky low hole (E facing, just above the ambush hole, and more to E) in the burn snag. Anyway, it didn't go in. They're flying around together. At 1700 all 3 went to the "bluebird nest tree" up around the 65 nest. I hollod but got nothing.

M. Formicivorus

KQUI HNHR

4 June 1500 2 Eggs! (2 birds Flushed) in the E Facing hole in the rt-hand Fork of the burned tree ↖. Didn't cut it open.

6 June Jim reports 1 ♂ on 5 June, 2 on 6 June. Is the ♀ different? (than last time)? He suspects there may be a 2nd nest - hole maintenance pecking.

10 June 0930 Peeped nest. 4 translucent eggs and no bird in hole (any of the times I came by) Hmm Put up a platform w/o Food.

18 June 1230 Came up to weigh hatchlings - nest empty! and birds acting wierd (garricking, a drum) What's going on here? Needs a census. I put Food on platform. No more acorns here!

6 Aug 0815: Saw (B)/N Foot = 1754. Hellod holes - nada. Put Food & water on platform

0930 - 1000 Spy From truck. No one sighted. Too close?

1105 - 1120 Hellod, then "drumb" spied on hole. Nada. Quiet.

4 Sept Hello holes - nada, gave Food & water. Granary tree dying, but has nice acorns (terminal effort?)

8 Sept 0850 Spied, hellod - nada

10 Sept Val sees bird roost in high Fence hole NW of gran

11 Sept Hello high hole & others - nope

1992 | M. Stanback

M. Formicivorus

ARSW | HNHR

5 May | Jim sees 9 $\frac{O\text{-}K/O}{LB/n}$ at ARSW, playing in holes.
6 May | 0800 Lots of action here (lots birds)
11 May | 0910 Bird flushes from nest hole. NOBA & seen afterward.
18 June | 1245 A bird here, but it it Lamb?
4 Sept | Hello - nada

1992 M. Stanback

M. formicivorus

LAMB HWHR

15 Apr 0735 OK/OK Y·K/N seen at summit. The main granary tree has fallen here. ♂ was garricking.

19 Apr 0745 NOID seen at summit.

1 May Jr V report bird in hole twice this afternoon

2 May 0900 ♀ flushes from new hole in trad tree (Y)? Checked hole - empty, but Fresh chips. Did not cut.

11 May Jim checked the hole several times between 2-8 May. At 0930 I hello'd holes - nothing. I peeped the new hole but never got a good peep - mainly because of the ants. They are really bad. Really. 1000 Hearing garricks + drumming, I come up to find only a ♀ (Y on rite?). Is this 1378. Tha, I later do see 1378 + NOID ♂.

24 May 1000 Peep new hole (empty) + backside hole (empty, I think). "Orig" hole covered in ants.

29 May 1545 Hello the holy tree, then peep. Nothing.

10 June 0930 Hello - nada. Put platform w/o food on Fence.

18 June 1250 Hello - nada. Put food on the platform. There were a couple birds here when I arrived.

6 Aug 0835 Hello - nada.

1015 Bird Flushes From upper right of tree - no lides. I try to peep, but the *@! peeper's Fucked. So none of them work. None. The one I have with me is an old one that worked a little bit yesterday, but not today. Fuck. Anyway, I opened the back hole - empty.

1992 M. Stanback

M. Formicivorus

FAAR HNHR

15 Apr 0905-1000. See KOUT notes. There are birds here! ♂ $\frac{n}{KW(N)/O}$ ( ) ♀ $\frac{no}{}$ ( ). ♀ went to the high nest tree hole twice.

19 Apr 0800 They seem to be having intruder problems here (garricks, wakas, some chasing) ♀ flew to hole + into.

2 May 0800 Hello hole - nada

1030 Climbed, both holes empty but nice (bird at hole on arrival)

17 May 0800-0900 Power struggle! Sort of. 1699 is busy chasing ♂ $\frac{NOK}{LB/R\cdot LB}$ + maybe a ♂ $\overline{OK}$

1371 + 1749 are busy, but dont seem to mind $\overline{BRB}$

Lotsa of spillover + general chasing.

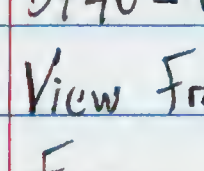
29 May 1505-1515 Spied. Completely dead.

10 June Jim reports no restiness, but see his notes. No platform

6 Aug 0855-0915 Spy. No visits to 'nest' holes. Watched 1 bird (the only 1 saw) for 15 min - never went to a hole.

8 Aug 0900-0915 Spy. Nothing much, but some flights to trad tree (but not holes)

8 Sept 0940-0950 Bird to hole (?) in tree NW of trad. tree.

View from E: 

Faces uphill (W) on W side of the middle limb. Nest (saw sev more visits

1030 3 kids! 27g (10.8) // 15.5g // 24g (9.2) = DG

M. ~~Stanback~~
Formicivorus

UA2 HNHR

2 May 0815 Saw bird here
17 May 1000 Saw ♂ here
1015 - 1045 Watched granary. 1 NOBA ♂, heard ≥ 1 other bird
Didn't Jim see 4 banded birds here?
29 May 1500 Hellod holes. No birds seen.
10 June Put up platform w/o Food.
6 Aug 0845 Put Food + water on platform.
1125 - 1135 Spied. Nothing.
4 Sept Hello - nada, Food + H2O
8 Sept 0920 - 0930 A small power struggle (?) mostly quiet chasing. Mostly females (1+ NOBA ♀, a NOBA juv screaming a female, and 9 OLG (is this the same one at BKOT?)

1992 M. Stanback

M. Formicivorus

LA2 HNHR

1 Apr 1750 Lots acorns - est ~ 1000 remain

10 Apr 1700 Hello holes - nada

15 Apr Hello

19 Apr 0830-0840 Spied .... and bird flew to 91 hole!
0900 Bird in hole on arrival. 5 freshish egg + a runt egg = 6. #3 looked newest (I numbered 'em as I took em out) maybe laid yesterday. Damn, why didn't I open the hole on 15 Apr!?

29 Apr Valerie has done 2 watches here in which no one showed. I assumed a dead nest. Walt checked it 2day + found 4 chicks (3 d.o.) one of which was starving. One dead egg, one runt egg. Didn't get weights

1 May

2 May 0815 3 d.o. on 29 Apr ?? Hmm ... DB = 22.5, R = 18.3, O = 17.8, r = 9.3 (Saw bird at UAZ)

4 May 1115: r = 18.8, R = 32.9 (11.5), O = 31.5 (12 B = 36.5 (12). Added in K from Ravi (G died on way up here)

11 May 0800

R	60.5	17.7	13.3	6	12.2	
B	64	18	13.5	14.5	6.5	13 → to A1
O	58	17.7	13.4	7	12	
—	47	16.7	5.7	3.5	5.5	
K	50.5	15.5	4	1	2.5	

17 May 1010 Saw 4 birds in top of tree together

10 June Put up platform w/o Food.

4 Sept Hello - nada. Gave em Food

8 Sept 0955 - 1000 Saw suspicious flight into woods. Gee, 3 nests in one morning! Damn, I'm good.

1992 M. Stanback

M. Formicivorus

	LAZ 1100						HNHR
8 Sept	DG-DB =	57.5	(16.7)	9.5	(6)	10	How'd we miss these the other day?
		62	16.7	8	7	10	

20 Sept 1750 Set a blind for a watch. Didn't hear kids.

1992 M. Stanback

M. formicivorus

BIAN HNHR

15 Apr 0820 Saw NOID bird here, Flew toward SOBO

19 Apr 1010 - 1020 ♂ & ♀ (NOID) are resident here.

29 May 1400 Cut open hole, 3 kids. 44 (13.9) = O, LG = 48 (15)
49.5 (15.25) = —

31 May Jim reports ♂ 1232 & ♀ 1463 & maybe a 3rd bird.

1 June 1300 Banded the 3 (a little young, but hey....)

10 June Put up a platform w/o food in Bianca Field

4 Sept Nest! Hear babies. Walt climbs & Finds 3

5 Sept 0910 - 1110 (2 hr) Nest watch. No sign of juvs (♂ & ♀ Fed alot)
Caught BF for hormones - stress series, See cap recs
Bled - measured 3 Kids (didn't band). Thin kids, but Fatty plasma.
♀ 1463 Fed 35 times (2 hrs), ♂ 1232 Fed 37 times (6 FS remov)
♀ Fed more at beginning, Feeding declined alot in 2nd hour

11 Sept 1000 Banded kids, see cap recs

1992 M. Stanback

M. formicivorus

Hormones

HNHR

14 Apr Bled 1-leg ♂ in 1788 Ravi, then took other 3 for laps (lapped only ♀ 1789)

15 Apr Ravi lays 1st egg

17 Apr Ravi lays 3rd egg. Bled 1789.

18 Apr Ambush UPHF. Bled 3 ♂♂ (not sure if all breeders) took ♂ 1285 + 1647 to town for lap. 1285: large testis + well developed vas deferens. 1647: testis not as big, v.d. well developed.

19 Apr Bled Ravi ♂ 1785

20 Apr Ambush R3. Bled 1451 (BF), 1510 (BM), 1633 (BM), 1982 (HF). Took all in for laps. 1510 + 1633 have ♀-like plumage.

22 Apr Ambush KOUT. Used net bag, so long interval before 2nd bird. 2 BM caught. On the 2nd (1221) I got a single cap tube after 1 hour of post-bleed stress.

23 Apr Ambush LHay. Bled 2 BM, 1 HF (Finch effect). 2 birds to vet. Got a 2nd sample from 1629 an hour later. This is the best Finch effect since they have lots acorns.

25 Apr Ambush Chgo. Blood from mornog pair w/o helpers + w/o acorns. Got cort sample from ♂ 45 min later. Made a discovery - spinning longer + faster does make a difference! Shit! Old policy (5 mins at 4 clicks) is no move. New policy = 10 min at 7 clicks! Today's samples are the last of the old policy.

28 Apr Bled 1788 in RAVI. Eggs will hatch tomorrow.

1 May Ambush 1500, catch BM, BF, HM, HF. BM, BF, HM to vet for lap. Blood from all. No acorns. Shoulda got cort

92

Prolactin

A	1788	04114			
B	1789	417			
C	1785	419			
D	1788	428			
E	1789	502			
F	1785	502			
G	1787	618			
H	1785	618			
I	1526	523			
J	1525	525			
K	1614	525			
L	2068	602			
M	1285	527			
N	1774	527			
O	1479	910601	CVGR		HF
P	1826	910602	CVGR	T6.1M	HF
Q	1616	910531	"		HM
R	1079	910601	"		BM

M. Formicivorus

Hormones HNHR

2 May Bled 1789 ♂ 1785 ♀ in aviary (have babies)

3 May Ambush KOUT. Bled 1127 ♀ a NOBA ♂ (now 2022)

4 May Took RAVI ♂ 1785 For lap. Medium sized (#2) testes. Kids in nest. Removed kids after returning him. So... testes do shrink after mating (did I bleed?)

13 May Bled 4 Ravi ♂♂ (laid 2nd egg today)

18 May Nest ambush MPHF. Put T in 1966, control in 1962

19 May Roost ambush Grazo (grumble....), put 2 T implants in 1416

23 May Nest ambush Ref 1. Bled BM 1526 (fed fine in afternoon)

25 May Nest ambush Ref 1. Bled ♀ T implanted BM 1525.
Nest ambush MPHF. Bled ♀ control implant BM 1614.

26 May Nest ambush Ref 1 (1526) Control implant
Nest ambush MPHF (BM 1613) T implant

27 May Nest ambush Murf (BM 1774) T implant
Nest ambush UPHF (BM 1285) T implant.

28 May Nest ambush UPHF (BM 1647) control implant

29 May Nest ambush Murf (BM 1813) control implant.

2 June Nest ambush Moon (BM 2068) Bled

3 June Bled Ravi ♂B 1788. Collected For T. Birkhead.

5 June Nest ambush Buck (BF 20)

8 June See RAVI notes

5 Aug Roost ambush at 1500 Got 1609 (BF), ♀2015 (HM), ♀ 2014 (HF). Got samples, cort stress series, ♀ laps. Problem: Val Fucked up the samples - lost ½ of stress series, dumped it in with samples. Probably the most important ambush of the year - Fucked. See 1500 notes For lap data.

M. formicivorus

Hormones HNHR

7 Aug Roost ambush at Pipe. Got ♂ + ♀. ♀ maybe coming into condition; ♂ is cranked up. So does ♂ generally crank up 1st? If so, I guess the 1500 HM is as big as he's going to get. I wish I hadn't lost the BM at 1500. Damn.

11 Aug Roost ambush at Rana. 3 birds. Samples plus stress series. No laps. Back to 10 min at 4 clicks - 5 clicks blows out tubes (of course. I did have 4 blow out today.) Birds were juv ♀, yearling ♂, ASY ♂

5 Sept Nest ambush at Bian (BF) Had hoped to get a feeding juv, but no sign of them during nest watch.

9 Sept After several days of trying for juvs (who never showed) I nab BM 1426 at SHIL. Sample + stress series.

12 Sept Roost ambush BUCK. Took forever getting birds out (BM 1399) (BF 2090). Some delayed blood. See cap rec

14 Sept Nest ambush juv feeding kids at Murf! Stresseries.

15 Sept Nest ambush at CVGR. HM 1616. Sample, stresseries, lap. Vas def not so big, but testis is rather large (2 on a scale of 1-3). Was very fat (internal)

17 Sept Nest ambush at Murf. BM 1774. Sample, most of a stress series + removed his spring T implants.

18 Sept Roost ambush (a.m.) at Rana. 1 juv + 2 adults. Got samples + most of a stress series.

20 Sept Roost ambush at Rana II. 2♂, 2♀ (NOBA's). Samples + stress series (only 2 per) were widely sep in time.

20 Sept Nest ambush at CVGR. Sample + stress series on ~~♂~~ ♂ 2038

" " FAAR. Walt gets sample on BF 1371 (didn't lay?)

~~21 Sept Nest ambush AT. ♂ 2033~~.

M. Formicivorus

Hormones HNHR

21 Sept Nest ambush at A1. ♀ 2033. Stress ♂ sample

22 Sept Roost ambush at CVGR. ♀ 2039 stress ♂ sample
Nest ambush at CVGR. ♀ 2040 stress ♂ sample
Nest ambush at A1. Got BN 1026 (~~♀~~ J 2034 went in, but hid in some inaccessible part of the cavity. Damn) So I did samples ♂ stress series on 1026

1992 M. Stanback

L

M. Formicivorus

RAVI — HNHR

7 Apr Started giving them acorns. Bird in leg.

12 Apr " " mealworms " . No eggs

14 Apr 1130 Bled "i leg" 80.9 g, 35.7 bill, No eggs

ncrit: 57.5, 59.5, 54, 53, 54, 48 green paint

large 1630 GG (lap) = 87.3, 33.5 = culm, tail (nice) = 86, wc = 151 yellow paint

large RO: 55 (lap), 33.3, 83 (shot), 152 blue paint

OW: 80, 32.8, 82 (shot) 148, purple, no lap

15 Apr 1100 1 Fresh egg! Marked it.

16 Apr 1100 2 eggs. "

17 Apr 1130 3 eggs. Marked. Bled 1789

green ✓ − purple

18 Apr 1200 4 eggs. Marked.

19 Apr 1300 Still 4 eggs ... that's all Folks

1783 = OW = purple paint

1785 = GG = yellow " : bled this guy today (1500)

1788 = one leg = green "

1789 = RO = blue paint

Tried jugular bleed on 1783 didn't work, big hematoma

Tried " " " 1785 after doing a wing bleed for blood. Jug didn't work. In final desparation, I tried it on the 7, didn't work there either

23 Apr 1150 Bled 1783. Afterwards Knol birds (all 4!) came up + fought with RAVI birds. Landed on the aviary top + pecked at 'em! RAVI birds all attacked back in force (Knol bird(s) one at a time on aviary top.

last egg

7 X other eggs

M. formicivorus

RAVI HNHR

27 Apr 0900 Measured eggs: #1 - 27.15 (l) × 19.55 (w), #2 - 26.95 (l) × 20.0 (w)
#3 - 27.75 (l) × 20.8 (w), #4 27.65 × 20.45 #4 is infertile
Looking at last years records 1783 & 1785 were the only ♂♂ visiting the nest during egg laying >? Does this explain 1785's large testes.

28 Apr 1300 Bled 1788. Eggs not yet hatched. Gave mealworms this am at 0650

29 Apr 0530 Chick from egg #2 = 4.4, #1 & #3 pipping.
0800 #3 further along, marked egg tooth
1540 RL = 6.35, LL = tooth = 6.35, RL = 5.75. After weighing, Connie dropped RL. He died. Put in freezer.

30 Apr 0515 RW = 5.95, LL = 6.65
1130 6.8 7.8

1 May 1030 RW = 10.3 LL = 10.1
1810 W = 13.1 L = 13.2

2 May 0700 W = 12 L = 13.9
1145 Bled 1789 (1) & 1785 (2) (1789 gusher)
Saw 1788 peck 1789. Get herit from Jim

3 May 1635 W = 22.7 L = 22.3

4 May 0700 GG = medium-sized testes (#2 rank) 1785
0900 Put one of the kids into Lucia's nest (who had, unfortunately, eaten all her eggs - so she was not primed ↙
1015 W = 22.7, bill = 9 = K // L = 22.7 (9.?) = DG
Oh yeah, so I put DG in w Lucia; Lucia went into the box, I heard baby noises, and then L came out w the baby in her mouth (speared, not just held) I reached the kid & put back into RAVI.

M. Formicivorus

RAVI HNHR

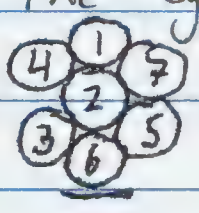
(4 May) The chick was bleeding + bruised + had some hematomas, but I thought it would be OK. At 1015 I took K + DG up the Arnold to LAZ, but DG was dead when I got up there. Damn.

12 May 1000 It's about time! Egg #1 in middle log. Video pm

13 May 0815 New egg (2 dots). Bled 1783, 1785, 1788, 1789. Marked Foreheads for video. Start video @ 0840

14 May Video am. At 1200 I added in 3 cold eggs from OUTB (#1-3) and marked the new egg here (∴).

15 May 0930 She laid #4 (∵). I need to check to see how eggs are moved around, both individually and as a group. Today it was: new → ∵ ∴ ∵ . Well wait, I do know eggs get turned/moved during the egg laying period, but how often?

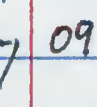


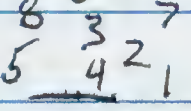
I renumbered ∵ = 4

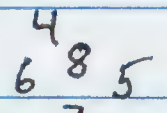
1515 Check position: ∵ = 5, ∴ = 6, ∷ = 7

16 May 1230 Well, well, she laid another egg (her #5, I numbered it #8. No longer the tight cluster of 7. And they do shift eggs around. See →

17 May 1200 . Didn't give 'em mealworms today

19 May 0900 

20 May 1145 



21 May 1100 all still translucent!

23 May 1030 Damn! What gives? All eggs still not opague! They're all dead! How did it happen? What now?

24 May 1600 I declare the nest dead, give them mealworms, acorns, steal the eggs, + measure them. 1 = 26.2 × 20.25, 2 = 27.5 × 21.05 3 = 26.5 × 20.6, 4 = 27.6 × 20.55, 5 = 27.3 × 20.3

M. Formicivorus

RAVI HNHR

(24 May) Egg wts 1= , 2= , 3= , 4=

26 May 1200 ♀ + 2 ♂♂ in 92a log. Empty. I've been giving them mealworms daily since 24 May

31 May 1130 Today there was not a bird in the 92a log. I still gave them their mealworms. Checked log - no eggs

2 June 1000 2 eggs! I guess FED = 1 June. What do now?

3 June 0645 3 eggs. Bled 1788 (one leg) + euthanized (chloroform) him for Tim Birkhead. Testes 9 × 7 mm. Put in Formalin.

4 June 0900 4 eggs. Numbered 3 + 4 (no order)

6 June 1020 5 eggs. Didn't # the new one. (LED = 605)

15 June 1600 Well, once again the RAVI birds have dead eggs, so I take them out + replace them with a hatchling + 3 Fertile eggs from Rana II

Ravi eggs 1 = 26.05 × 20.5, 2 = 26.75 × 20.85,
3 = 26.4 × 20.65, 4 = 26.85 × 21.1, 27.3 × 20.5 = 5

16 June 0915 B = 7.75, RL = 4.75, LL = 4.45, RW = 4.25

17 June 1715 B = 16.1, RL = 9.6, LL = 8.2, RW = 5.2 (+ not looking good)

18 June 0800 runt not looking good, I gave him 2 mealworms.

1615 RL = 13.5, B = 19.5, LL + B = 27.0, ♀ = dead
♀ = 5.5. WO = 86 g, RO = 80 g. ♀ = 95 g

1603 Bled GG 1785 // 1608 WO 1783 // 1639 WO // 1613 RO 1781

1643 RO // 1632 ♀ 1785 [subsequent wts by stack, Bradley]

20 June no times! db-w = 27.0, y-mv = 18.2, NoBA dead

21 June 31.5 26.3

22 June 37 27.5

28 June 52 44.8

3 July 65 50.2

6 July 71.5 55.8

9 July 69.3 54.2

16 July ↓ dead

this must be 2127

1992 M. Stanback

M. Formicivorus - Misc. Groups

RANA Crk Ranch

28 Apr 1645 - 1920. Granary still has lots of acorns. I saw a NOBA ♀ and another NOBA (♂?) in the granary. Pretty shy (make that very). Hell'd holes - nothing. Wait, wait. I move down the driveway & spy on a group in a huge dying valley oak down by the road & pond. Lotsa acorns & 5 birds 1835 Spot ♀ $\overline{KM}$ = 2007. Roosting was confusing... it looked like ≥1 bird in the nest hole. On my way out a bird was in the low "road" hole.

13 May OUTBACK: Yesterday Walt Found nest, peeped, 2 Fresh eggs. I came today (3 Fresh eggs [1-3]) cut open hole & set ambush for BM.
1130 - 1538 Waited for ♂. NOBA ♀ visited (w/o going in) at 1206, 1244, 1322, 1410. At 1412 a banded ♂ (didn't get bands - I was getting ambusher ready) visited (no entry). Both birds were wary about the cut and the ambusher. I fear they are abandonning.
Roost Watch: How depressed can I get. I left the ambusher up since it survived gale force winds this afternoon. However, I arrive at 1840 to find it dangling. I fix it & watch. A bird checks out the nest hole, but leaves. At 1935 I start climbing tree to secure the ambusher, but I flush 2 birds out of a high hole! One eventually went to a hole in the next tree. Is this postdoc worth doing? Nothing works!

M. Stanback

M. formicivorus

Rana Creek — HNHR

11 Aug — Ambush! Pole into the low hole. 3 birds (2 came out as soon as the 1st screamed. One was ♂ 2009 From 1991, plus a juv (turning into a ♀), and an adult ♂. Plasma sample plus stress series. Too late to get a lap dove. Oh well.

17 Sept — Rana pm. Watched awhile. Saw j RG-2131, ♂ NOBA, j NOBA, and ♂ WO-2008. Granary still empty. Roost watch: 2-3 in pole hole (≥ 6 in group)

Rana Creek II: Several birds over here, didn't see any bands. They are busy Filling their granary and are chasing everything (doves, sparrows) I will try to net here tomorrow I set some strings.

19 Sept — RC II Skip & I put up nets. Set & ready by 1420. No birds even came. Bagged it & took down strings at 1520. Oh well, it will be a great tree to catch birds in during a power struggle. Roost watch: 4 birds into pole-able hole

20 Sept — Ambush! 4 NOBA's (2♂, 2♀) I think all were adults. No sign of the baby I banded. Got samples & 2 certs per bird. Long intervals tho. See cap recs for details

Rana: 2009 (LG Y / M LG); 2155 (LP·Y Y·LP / M LP·K); 2156 (W·LB LB·W / M LB·W); 2007 (DB DB / DB M); 2008 (M O / W O); 2131 (M LG / R DG); 2132 (O DB / M M)

Rant: 2157 (LP LP / M LP); 2158 (M LB / Y LB·R); 2159 (LB·LG W / W M); 2160 (O M / O·LB O)

M. Formicivorus

Misc Groups HNHR +

14 May OUTBACK : 0900 Set ambush. Waited until 1215 ... no visits, no fresh egg today. Have they abandonned? Even if they haven't, they're not doing me any good ... so I take the 3 eggs and put in aviary for brood reduction experiment. Egg sizes (no order): 1 = 25.45 × 20.6 ( ), 2 = 25.85 × 19.8 ( ), 3 = 25.9 × 20.65 ( )

26 May Rana Creek : 1230 Spied on the house group a bit. Juveniles! At least 2 Oh well! Still have lots of acorns - maybe a 2nd nest .... I then went down to the small pond just down from the house group. Just past it past the dirt road is another nice granary. I watched & soon got 2 visits to a hole. I went to check it out & heard pecking inside. Juvs? Don't think so - an adult flushed - and they seemed to be mate guarding! I think there's an egg! I climbed (very wierd) and my *.@ peeper was dead. Must return with the big ladder. Jim & I did. Hole empty.

30 May Dan reports a banded bird with food going in a hole.

31 May MOON: yes Dan, it's moonshine in their trad tree. Set Ban ambush.

1530	wt	bill	l's	l'	TS	T	Ch
LG	78	18.7	19	23	12	19	48
K	72	19.3	18	19	10	16.5	44
-	74	18	19	21	10	16	46

1 Jun 1500 - 1600 MOON. Unbanded pair. Fed a lot. No ambush yet

2 June 0600 Set ambush. Caught ♂ 2068 at 0630. Walt will catch ♀

1 Br Brune Mara

1992 M. Stanback

M. formicivorus

Misc Groups

15 June Rana Creek II. Arrived at 1400, bird flushed from the hole. Climbed & peeped 1 hatchling & eggs. The nest is in a back chamber, not the front one I had peeped. Anyway, I set an ambush & waited for an adult. One came, I pulled string, & it got stuck! I reset it, waited, & Finally another adult showed up, I pulled... stuck! Arrgh! By now its past 1500 and as its a cold windy day, I say F_ this sh_, climb up, open the nest (it kind of fell apart) and pulled out 1 cold baby & 3 cold eggs. I warmed them up a bit in the baby box, then headed home (after helloing holes at Rana I). To the aviary, where I stole their dead eggs & put these in. Let's keep our fingers crossed!

16 June 0530 I've been seeing ACWs going to the Red House jay platform For days now, & I had assumed it was KNOL birds, but the was a lewis with them (2) today. There was 1 chase, but I think it was a KNOL bird vs another ACW. These mystery birds are SHIL I would guess.

10 Aug Rana II: 1630-1715 Spied For Fall nest - nada (though there were birds around) Flights to the trees to W. 1800: Nest! One Fledged while I climbed. Banded the other! Rana: 1725-1745 Spied. Lotsa birds (♂ NO = No obvious nestiness. After banding Rana II, I flash/ite the low hole here - a bird!

1992 M. Stanback

Melanerpes lewis

San Antonio Valley

30 May Another stellar visit to the San Antonio Valley. I found 6 lewis' nests (just walk around & listen for kids) They are (I swear) colonial. Where you find 1 nest, you can find 2 more nearby!

	wc	1's	1°	Ts	T	nest #	
	109	33	80	20	52	1	
	107	32	78	18	53		
	111	34	73	20	50		
	50	18	23	8	15	2	
	71	32	43	14	28		
	59	24	33	12	22		
	55	22	28	9	16		
Murf 2046	33	10	11	6	10	runt (purple)	3
SHIL 2041	88	38	58	21	37	pink Purple white tail	4
CVGR 2043	93	38	62	24	39	pink purple white rump	4
CVGR 2042	95	37	64	24	41	pink purple bill paint head	4
CVGR 2044	93	32	64	24	43	purple shoulder rt	3
Gazo 2045	89	35	53	23	40	purple lft should	3
Gazo 2047	89	40	58	20	37	purple rt chest	3
MPHF 2049	62	20	33	15	25	– center chest	5
Plg 2050	68	29	35	22	28	green rump stripe	6
Plg 2051	70	32	41	16	28	– bill	5
CV1 2052	77	32	46	18	31	green rt shoulder	6
Ref1 2048	57	20	30	15	21	–	5

Together we found 8 nests, only opened 6. Experiment. Remove an ACW chick & put in a lewis' & see if the feeding rate changes. (CVGR added 31 May am)

1992 M. Stanback

Species Accounts

HNHR

7 Apr Western Flycatcher starting nest on Red House porch
Barn swallows w ½ complete nest at lower barn

10 Apr 1700 Found my buddy the pond turtle [drawing] near crossing toward Hastings

15 Apr W. Flycatcher lays 1st egg on porch. Barn swallow nest: lower barn

16 Apr 2nd

17 Apr " did not lay 3rd egg.

18 Apr " laid 3rd egg

20 Apr " " 4th egg. This ♀ is very skittish

27 Apr Horned lizard at Red House, Plathemis at upper barn

29 Apr Valley oak in MPHF has baby acorns!

2 May Blue oak on Arnold w baby acorns
Small brown short-winged swifts on Arnold
1200 Pr of ravens flying around central canyon
A golden oak on the Arnold was just now putting out leaves & catkins

4 May A pigeon on Hastings - at Red House yet - trying to get in the big window of the back room.
Bands: (R) N w/ clear orange plastic coat 1563 AU 91 SMR
(L) yellow rubber 6378
W Flycatchers on Red House porch hatched 2 day.

9 May Turkey nest w 9 eggs at 1800 (by creek)
After hanging around Red House eating oatmeal, the pigeon finally disappeared this morning. Eaten in the night? Took off? Bye Homer...

14 May Vinegar weed is up at Ontback.

15 May 1950 Coyotes at Coral Viejo.

19-20 May Matilla poppies blooming at Griffins, Fawn!

1992 M. Stanback

Species Accounts

HNHR

21 May 0846 Western flycatchers Fledge on Red House porch.
31 May W. Flycatchers lay 1st egg of 2nd nest. My oak has new shoots
1 June " " lay 2nd egg. (I'm watering the oak)
2 June No egg laid 2-day by W.F.
3 June WFc laid 3rd egg
4th
18 June 3 hatchlings + 1 egg (will it hatch?)
I have seen very few Fawns this year
4 Aug Coyote (1) at Far Knoll (by Laguna Conejo) at 0740
24 Mallards in Laguna Conejo. Jackrabbit at Red House
My general impression now that I'm back is one of
Fallen trees - DKHW, CVI, MurF what gives?
5 Aug I see a deer between 1500 + 1800 lying in the sun
bobbing his head. I investigate: a fawn from
this year with head wounds + major rump, rear
leg wounds. Can't walk. Mark J shoots him.
Big kitty kat - but how did he escape? Val heard
screams at 1500 at 10 pm last nite. Where's mom
Left carcass under the trees by the creek
Another general impression - the bumper crop ain't. Sure,
the live oaks are finally producing, but they're not
really loaded. And I've run across quite a few that
are aborting. My call now is "average year."
7 Aug The rabbit thats blind in his left eye (that I saw this
spring at Griffins) was up near Walt's today.
8 Aug Active brown towhee nest w eggs (3) in Tree between MRS
office + old lab. (PS - it failed, eggs never hatched)

RWB 4 of P

1993

Blinds

12/4 A1. GAZO

1993 | M. Stanback

M. Formicivorus

CHGO | HNHR

22 Apr | 1300 Front hole has a few fresh chips. Back hole has more. No eggs or birds in hole.

21 May | 1300 Well no wonder it took so long! 8 eggs! Fresh (7 + runt) (1 removed runt). So 2 ♀♀ here. Who?

31 May | 1300 B = 10.5 (D), LW = 10.2 (G), BL = 8.6 (INV), LL = 6.4 (W), RL = 5.3 (R), RW = 4.9. These latter 2 were a little thin (hatched yesterday) One egg infert.

1 June | 1100 B = 13.2, LW = 13.4, BL = 12, LL = 7.5, RL = 8.0, RW = 6.0. I declared RW doomed and removed him to stick in Wolf's new dead egg nest.

6 June | 1100 B = 30.8, LW = 31.5, BL = 28.3, RL = 21.5, LL = 15.9 // LW = G, B = O, BL = MV, RL = R, LL = W LL has a messed up (cut) toe on L Foot. I tied off a bobber near the hole.

9 June | 1600 Set & tied off ambusher.

10 June | Set & ready at 0645. Caught ♂ 2175 for bleed & T implant. Then got ♂ 1665 for control. ♀♀ aren't on list, so I don't know if I should've changed any bands. C'est la vie!

22 June | 0700 Went to Wolf and stole their foster child from Chgo (boo-hoo). Banded, bled, & returned to Chgo whereupon I banded & bled (semi stress series) the 5 kids there, bringing the total up to 6.

1993 M. Stanback

M. formicivorus

BUCK — HNHR

2 April 1710 - 1750 Spied from cabin. Saw several visits to ladder hole. Hmm.

3 Apr 0650 - 0700. 1 Flight from hole, 1 Flight to hole Saw 4 birds.

5 Apr 1330 Checked ladder hole - 2 incubated eggs!

13 Apr Eric goes up for nest watch. Only 1 visit, never sees BF. Instead a mini power struggle (does see HF, and also ♂ 2174

14 Apr 0640 - 0650 Spy from lab. Saw several birds, but no wierdness. What gives?

23 Apr Eric watches - apparently the nest is no more. He did see HF, so must be a Fnch effect?

2 June Veronica + Eric report no one at pole hole or another likely. Sounded like went to ravine edge

M. formicivorus

PLQE HNHR

3 Apr 0710 Saw ♀ 973 chasing the NOBA & some.

5 Apr 1345 Bird in 92 hole! I climbed - empty but fresh chips.

9 Apr 1130 Bird working on hole in the 92 limb (going ½ way in) Is this the same hole?

11 Apr 1100 No, its a different hole. And there was a bird sitting on the top of the branch when I arrived.

13 Apr 0830 Hello hole - nothing.

14 Apr 0815 " " "

16 Apr 0730 Very confusing. The ♂ here is sitting with another ♂ WRJ in the tree to W of office.
1345 3 birds together in granary.

21 Apr 1140 Bird in new hole! Climb. Empty.

25 Apr 1400 Bird in hole (new). Climb. 1 fresh egg. Did 2 hour watch (1430 - 1630). ♀ 973 entered at 1524, out at 1542. No other visits. Heard 2 other birds over in gran while she was in.

26 Apr Well dog my cats. ♂ 1757 is alive & well and being a breeder. I guess it's not a Finch effect after all. How embarassing! How could a Plge breeder elude everyone for more than half a year?

27 Apr 1200 Cut door in nest. Marked 3 eggs.

2 May 0830 Egg 1 = 26.25 × 19.35, 2 = 24.6 × 19.25, 3 = 25.1 × 19.15, 4 = 24.3 × 19 and it seems dead (yolk looks to be spattered and against shell.

M. Formicivorus

PLQE HNHR

10 May 0615 RL = 7.4, LL = 9.4, LW = 8.9, dead egg

13 May 1800 RL = P = 23.5, LL = O = 27.7, LW = K = 25.9

30 May 1200 Banded the 3 Plge kids. Added in 2253 (Rant) 84 g, 18.5 culm, 63 ch 23 is 36 r 13 TS 24 r Did a nest watch this am w 3 kids, will do another tomorrow w 4.

18 June Hello hole - nada.

25 June 0600 Scrub jay Trap beside Stucco house (on platform set r ready. After @ ½ hr, jays r ACWs start visiting, eating the food at entrance. As the last piece goes, crows show up (but won't land) Finally an Acw goes in at 0657. 7 973 Stress series, rebund, measure (not heavy). Cap rec.

M. Formicivorus

KNOL HNHR

30 Mar Veronica reports that ♂ 1969 has a silver crown!

3 Apr 0700-0710. ♀ working on hole, in pine snag by driveway. She can't quite turn around inside. But also saw 4 birds together at hi syc hole pm Put out food & watched 4 birds come in, including the ♂ w/ gray head (maybe even 5?) Set a blind nearby for netting.

6 Apr 0615-0715 Set net by platforms. ACW's never came in (just WCSP, towees, titmice [which remove dog-food], and quail [one of which was caught and undoubtedly freaked the ACWs even more]. Nuthatch also removed dogfood. Caught a towhee.
1500 Bird in hi sycamore hole. Uggh. String broken at bottom, but I managed to get both ends. Looks OK, I start pulling up the rope. Plink. String breaks, down comes rope & string. Bloody hell.

7 Apr 1220 Bird at pine hole.
Roost watch: Veronica: birds into sycamore hole... but wait, it seems to be a different hole - on the cut side. Check it out, then think 'string'.

14 Apr 0745-0805 Watched pine snag. No visits to hole. Hello'd syc hde - nothing. What gives?
0915 Something's up. Chasing + even a garrick. ??

16 Apr am. Spied a bit. No visits to pine hole. Hello'd syc hde. Nothing.

17 Apr 0850-1015 Set net, sat in blind. A bird landed briefly once. Several visits to syc hole. My right hip hurts so much.

M. formicivorus

KNOL HNHR

18 Apr 0630 - 0735 Set net at feeder. No takers (except for the scrub jay (NOBA) that I caught) Saw several visits to syc hole.

27 Apr Walt reports 4 incubated eggs in sycamore hole.

2 May 1000 Well, I guess they weren't that incubated - I climbed & none hatched. Also, since Eric couldn't see the hole when he tried a watch this a.m, I went ahead & cut off the offending limb.

5 May 1100 RL = 9.5, LW = 9.5 (K), RW = 8.8 (3), LL = 7.4 (MV)

11 May 0815 RL = Y = 35.5, LW = K = 27, RW = R = 31.2, LL = M = 29

12 May Roost watch ravine hole: 3 birds in! Remembering that last year I waited a day & they didn't return, I decide to pole ambush tomorrow.

22 May Ambush! Worked like a charm! Unfortunately, I caught only 1 HF (whom I implanted w T: there won't really be a control, but since she wasn't caught at the nest, I'll rationalize). Also caught BF & silver crown ♂, whom I started lapping (cut through body wall) only to find that my otoscope is broken - no light!!! Damn it all. I implant him w T (what the hell) and release.

25 May 1500 Banded 4 babies (3 big, 1 runt)

19 June 0830 Hello hole - nada.

25 June Set a trap on platform, [redacted] Rebecca actually put it's a shitty one that closes only ½ way sometimes (ie when 2 woodpeckers spring it!) Will try tomorrow.

26 June 0631 Rebecca gets juv 2240 at trap. I do 5 series (2 more fucking ACW's escape! Fix it!

M. Formicivorus

	MOON	HNHR
29 Mar	Roost watch at granary: not a peep	
1 Apr	pm. Set strings for nets: one got stuck in process - must return w big ladder.	
3 Apr	Finished setting strings. Oh yes, and yesterday (2 Apr) I checked the hill holes - empty but fresh work - looks good.	
4 Apr	0940-0955. 3ird landed at higher right-hand hole, then moved down + started working on lower left hole (backing out). Another bird landed nearby + old bird went into hi.rite hole. 2nd bird landed at lower (first left) + went all the way in + came out head first w chips. Then worked at entrance backing out w chips. Gave Food + acorns.	
7 Apr	1200 Food + acorns not touched. Checked holes - both look good, tho upper rt looks a little better (+ lo left is a little funky)	
10 Apr	checked - empty	
13 Apr	1330 Checked holes - empty. Hmmm. Strings down!	
14 Apr	0710-0725 Heard birds but no visits to holes til 0725, when 2 landed at holes + third landed nearby. 1500 checked holes - empty. Hmmmmm. When I showed up there was a bird near the granary hole.	
16 Apr	1200 Checked both holes - empty. Now I am concerned	
18 Apr	0910-0920 3 visits (inside) to hole. Climb - 2 eggs! Wierd hole (lower left) need a drill. Wood so hard it bends nails (+ its dead!)	

M. Formicivorus

MOON HNHR

(18 Apr) 1030 Returned to cut open hole. Marked eggs 1 & 2. Roost watch: Set ambush and... they (2) went into the other hole. I think 3rd bird is elsewhere in tree. Damn. I guess I'll try to catch ♂ at nest.

19 Apr 0610 Set and ready. At @ 0635 ♀ WGM arrives & starts looking in hole, she visits other hole but Finally goes in at 0642. ~~M~~ ♂ 2068 arrives & looks in, but also looks at ambusher. At 0647 ♂ 2085 (was not on field list - a baby from last yr) arrived & ♀ out. Both left. After a while, ♀ returned & went in. (↳ he chattered when she came out) 2068 continued to visit & look in, but only 2085 would go in. Here's where my major fuck up becomes apparent. Had I looked in the field list I would've realized that this BF was not 2069. It is in fact 2092, a buckeye spring baby. Thus both ♂♂ are breeders! I assumed that 2085 was just a precocious helper. I could've pulled the string on him, but...oh no... I thought I needed 2068, who didn't want to go in. He finally did at 0742. I pulled the string & thus got 2068 and 2069, but as I started to climb the tree, 2068 flies out of the other hole - he had pecked through the rotten wall separating the 2 cavities — in less than 2 minutes. So... I had the ♀, who I didn't really want.

M. formicivorus

NCON HNHR

19 Apr I got the sample at 10 minutes and another 20 minutes after that. At this point (30 min after capture) I heard a garrick from one of the ♂♂. Another garrick was heard (again from the nest tree) 10 minutes later. (Since birds were hanging out near the nest, I reset the ambusher after the first bleed, but no luck. Looking at the ♀♀ swollen cloaca, I realize that the specimen from RANA probably had not laid an egg that day, whereas this ♀ had. So... even though she was from Buckeye, she had dispersed off the study area, and was ∴ fair game. I collected her for sperm storage analysis at 0855. I opened her up (without looking inside) and put her in formalin. I had removed her eggs and replaced them w 2 dead eggs from the fridge. Her eggs measured (order not known for 1 & 2) 1 = 23.8 × 18.1, 2 = 23.75 × 17.6, 3 = 24.65 × 17.35. These are small eggs... from a small ♀. Another cost of asynchrony!! I will put them in the aviary

1100 Arrive to set nets – dead quiet. Put up nets & play tape & immediately catch 2085 (BM) See cap recs. Soon afterwards we got a NOBA ♀ (the 1st participant) Stress series & banded. Let her go & immediately regretted it. She'll probably

M. Formicivorus

MOON HNHR

(19 Apr) go r win the non-existant power struggle. Damn. Lapped ♂ 2085 (5 Fov - big testes For a yearling co-breeding with his dad! See cap recs. I guess I'll stick him in the aviary For now.
1630 Dropped by... ♂ still drumming but there was a 2nd bird (a ♂ I think) who was slightly tolerated. The ♂ (2068) went up to the dead cypress up from Robertson House and karritted. Calling it a day. Sorry birds... I don't like to be mean.
0615 2085 dead in aviary.
20 Apr 0700 After much flutzing w nets, we Finally get started. The ♂ is here w a NOBA ♀ (tho not all is Full o' whales). We play tape r eventually a NOBA ♂ comes in r is immediately (w/in a couple minutes) chased into the net by 2068, who also goes in. Bingo! We bleed r stress series (continuing to play tape to a confused r scared ♀). It's dead here so we quit. Back to lab For lapping. See cap recs.
1150-1205 Stopped by. 1 bird (prob. the ♀) karriting up the hill. Otherwise quiet.
1700 Deader 'n a hammer.
21 Apr 0815 3 birds here. Set nets r caught ♂ 2137 (Fall baby from SHIL - previously unsexed) who's here w brother (♂ 2138) and a NOBA red-eyed ♀. (*) There really wasn't much action here. He flew in by himself. Bleed, stress series, and then back

M. Formicivorus

MOON HNHR

21 Apr to lab for lap (since who knows if I can make him part of an implant exp at SHIL). However I will give him a control implant. We left an hour after catching him (the other 2 were wise to the nets & we weren't attracting intruders) ✱ Oh yes, we released the NOBA caught yesterday am, who beat a hasty retreat 1000 Returned w 2068 & the SHIL ♂, released 2068 & he flopped to ground. Keel a little sharp, but not overly so. Lap wound looked fine. Back to lab for food, but he was dead by the time I got there. Sorry guy. Testis 12 mm × 9 mm. Lap looked fine from inside. Put in old formalin. I guess this means the SHIL ♂♂ won the p.s. I quit.

24 Apr So... both the BM from SHIL are here and are feeding at the SHIL. Back on 21 Apr, V saw 2137 get a cop w ♀ ... and he appeared to be dom to 2138!

June Those ♂♂ still have duel citizenship

1785

1789

1783

1787

2127

1993 M. Stanback

M. Formicivorus

Ref 1 - CECN HNHR

9 Apr 1500 Came up with intention of stealing their log, but seeing the trouble I had gone to to get it set (and the 4 Fresh chips in the bottom), I change my mind. Feedeo had fallen, we put it back up.

16 Apr Veronica reports much interest in (+ bird in) traditional CECN hole. I check it in afternoon (1300) (new string, etc) and ... empty. Damn.

24 Apr Walt checks hole + Finds 6 eggs!

4 ~~Apr~~ May 1300 RL=6.6, RW=6.3, LW=4.1, 2 eggs were inF, the last egg looks OK, but wasn't pipping or even peeping. Damn, I suppose I'll have to climb on 6 May. LW has a chunk of wing pecked out.

6 May RL=13.2=DG, RW=12.6, LW=10.0, r=2.8. I figure he hatched yesterday, so est 10G, 9.5, 7, 4. Pecked up. I removed him (either for tissue or exp in MurF)

17 May 0815 Set and ready. At 0915 ♂1526 went in, but I'm after 1525. At 0945 ♀1325 started feeding I think things were slow because I just today put up the ambusher, + also, the rope string is (now) too close to the hole. Anyway, Finally at 1050, ♂1525 went in, but the ambusher stuck (but never left nails). He suspected nothing returned in 10 minutes, and I nabbed him then (no helpers ever came). While I was climbing to him, the rope broke off a big (1' x 6") piece of bark beside the hole. I hope its not a problem

M. formicivorus

CECN HNHR

(17 May) This whole nest is very marginal. Anyway, I bled 1525 & gave him a sham operation (but left in the old implants) - he's the control.

18 May Happy Birthday to me ♫. I'm officially more than old (31). Anyway, set and ready at 0730, ♂ 1526 showed after about 25 mins, but the string stuck (like yesterday) so I waited 'til another visit. After about 4 tries (pulling so hard I thought the string would break), I gave up & went to find the problem. Everything ok!?! I gave the string a lite shake, the needle fell, the ball fell. Bugger all! Had to climb & reset. 0900 start. 0916 Nab! Bleed, implant w T, measure, release.

26 May The watch here this am was somewhat fucked because a WEBL waltzed up, set a blind, & did a watch nearby.

19 June 0800 Rebecca found the 2nd nest here (same hole) the other day; I checked this morning. 6 eggs! Semi-fresh, semi-opaque. Est hatch 26 June.

26 June 0830 Hot! Chicks: 10.6 ← 24 June L = 5.4, W = 4.4 ← hatch 25 Jun. One chick died while hatching. Actually murdered (brain was eaten & there was alot of blood on shell ... so I'd say the cannibalism was the cause of death and not just scavenging. The chick had nearly finished opening the shell. Another egg contained a dead chick (recent, but too far gone for tissue). Last egg had living chick (would hatch 27 June) tissue (2328). This hole falling apart.

1993 M. Stanback

M. Formicivorus

	1500	HNHR
2 Apr	Saw bird fly to limb about 1 m below trad hole. Checked - it's a new hole	
3 Apr	1100 - 1115. Spied. Saw birds but no action 1620 Bird at traditional hole, put some acorns on the platform.	
4 Apr	0705 - 0715 No visits to holes (saw only 1 bird) 0800 Hello holes - nothing. Acorns gone. Gave dog Food.	
5 Apr	1540 Bird at low hole - gave some acorns & dog Food. Watched 30 min - no action	
19 Apr	0815 Hello - nada (have been looking from car too)	
26 Apr	Walt reports bird in trad hole. Hmm E & V have been checking	
27 Apr	Walt reports 4 fresh eggs in trad hole.	
10 May	1130 LL = Mv = 15.7, LW = W = 14.0, RL = 13.3, T = 6.1 runt looks relatively OK ... could've hatched 8 May? or 9 ~~I removed runt for tissue (he's a goner)~~ NO, left in	
27 May	1530 Banded 3 rather skinny kids. The runt is ill: mouth open, gasping, wheezing. Hmmm	
31 May	1500 What the hey ... I need helpers. I add in the other chick from Kris's ACW nest by the Rana Crk perrenial Field (#2283). But the wheezer is gone! Hard to believe they hauled his corpse out. Mv/R = 92 g, ch = 76.5; WM = 91 g, ch = 82	

1993 M. Stanback

M. formicivorus

	1800	HNHR
3 Apr	1115 - 1135. Spied from road. Saw 1 Flight into woods. Pretty slow.	
	1615 Put some acorns on platform & noticed a bird at a nice new hole facing the lane on the downhill side (& a bit toward 1500) of the granary.	
4 Apr	0650 - 0705 Spy. Saw 1 bird go to new hole	
	0815 Hello'd new hole - nada. Acorns gone. Gave dog food.	
5 Apr	1445 No one in hole. Gave em some acorns & dog food, then watched for 20 min. No visits (& there were birds around) Spied hole - for a while, nada.	
16 Apr	0710 - 0720 Spied on uphill hole. Starlings there.	
18 Apr	0830 Hello new hole - nada.	
23 Apr	Eric reports birds at 2ndary tree hole.	
24 Apr	Walt checks it - has a screech owl! Hmm	
2 May	0800 Bird Flushes from new hole in granary.	
	1300 Son of a bitch. The entrance goes thru 4+ inches of solid (& living) oak. Worst of all, the hole is incredibly shallow. So cutting this baby will be a bitch. I'll put this off. 4 fresh eggs	
13 May	1500 RW = P = 14.9, LL = 13.4, RL = R = 13.6, r = LWLL = 3.6 (freshly hatched). Removed... for tissue	
18 May	1315 Set & tied off ambusher.	
19 May	0730 Set & ready. Waited for 2115, but I don't think he showed (tho he is very similar to BM). At 1050 I nabbed 1851 for control implant. Painingass. Does 2115 exist?	

M. Formicivorus

1800

20 May 0715 Set + ready. Mom + Dad feeding like crazy 2115 never shows, so I quit at 1000. I'm convinced that 2115 doesn't exist - I've never seen him, Eric never saw him. Sorry Veronica - that was the BM you saw. Damn, I've wasted 2 mornings that should've been spent at R3. I decided not to catch BM since kids still small.

29 May 1700 Banded the 3 kids + added in a Runt kid (#2254). However, I Fucking Forgot to measure the 1800 runt (#2273). Damn. For 2254: 74.5 g, 55 ch, 25^{15}, 27^{1}, 12^{T5}, 18^{T}, 18.7 culm. Well, as I remember 2273 was not really runtly. He was basically indistinguishable from the others. Now I'm wondering... Are the measurements I have for 2254 really 2273's? Hmm (I don't think so...)

M. Formicivorus

	Horsetail	HNHR
10 Mar	Saw heard at least 2 birds here,	
11 Mar	1345 - 1415 A noisy ♂ NOBA showed up. No acorns	
1 Apr	1030: Saw 2 birds here: ♀ RW(N)K ♂? W K-W O N. No acorns. Who are these birds? Could this ♂ be 2073 from ArFT? (♀ may be 2102 from Knol)	
3 Apr	1600 Put up a scrub jay platform here (it needed a little work). Anyway, I figure if a Knol bird is here, she'll show her mate how platforms work.	
4 Apr	0830 Acorns still there, so maybe this isn't a Knol ♀. Gave 'em some dog food.	
5 Apr	1600 " " (acorns still there)	
18 May	1345 Stopped by. Saw/heard no one.	

M. formicivorus

H-B HNHR

3 Apr 0710-0730 Spied from lab. Saw 4 birds (plus a 5th that was chased repeatedly). At one point a starling flew towards the uphill hole (pointing to fence), but ACWs chased it and then landed & looked in. Quite a bit of starling chasing in this part of the tree, but no more visits to the hole.

11 Apr Eric & Veronica both report Blm two helper ♀ (2123?) Wow! this is a Fall baby breeding now! Reproductive at age 6 months!!

3 June 1630 Well, the ladder doesn't reach... but I manage to rig it so I can reach the (very rotten) hole. I put a gall on instead of an ambusher. Pole?

7 June 1230 Finally figured out how to get into the hole. B = 47.2, Y = 47.6, - = 35.2. Set & tied off an ambusher. Est hatch: 27 May

8 June Set & ready at 0630. ♂ 1856 started coming at 0655, but I want 1857 (1856 has no tail). At [redacted] 0735 ♂ 1857 came & went in - but backed out as I pulled the string - Disaster! off he flew - terrified. Bugger all - will I ever get him now. Well, I finally did catch him(T), afterwhich 1856(C) was a cinch. 1856's tail has been cut straight off, like scissors... so he won't have a tail 'til he molts, & even then it will be gradual.

21 June 1430 Banded & bled kids (semi SS). See cap recs

1993 M. Stanback

M. Formicivorus

LHay HNHR

20 Apr Walt reports bird in traditional hole (now we just need away to get into the tree!)

24 Apr Walt checks hole & finds 6 eggs (5 + runt).

2 May I thought the eggs were incubated ~~&~~ on 424. Ch well. One egg looks dead, I removed runt. Time = 0730

5 May 1300 Removed dead egg. LW = ~~12.5~~ - 2 = 10.5^{G}, LL = ~~12.2~~ = 10.2^{R}, RW = ~~11.4~~ = 9.4^{O}, RL = ~~11.1~~ = 9.1^{B} (2019 +) Veronica did watch afterwards & reports 2 ♂♂ (woow)

10 May 1530 LW = DG = 31.8, LL = R = 33.4, RW = O = 33.2, RL = DB = 32.8

21 June Hello 93 hole - nada.

M. Formicivorus

	Blm 1	HNHR
7 Apr	Roost watch: a bunch 'o' birds went into the high string hole. Time to ambush!	
9 Apr	Set ambush (a real pain ... decided not to recut hole). They all (4-5) wanted in, but they were pretty upset by the ambusher. Only 2 (?) in	
10 Apr	Ambush! 2 birds (mom & Fall son) both had small gonads (see cap rec). Stayed in hole a long time, so no stress series.	
19 May	Eric reports bird in high hole (↑ ambush hole).	
21 May	1200 Wrong, its the Fall nest hole. Anyway, 3 incubated (opague) eggs.	
27 May	1300 RL = 5.3, LL = 4.9, last egg pipping / hatching	

1993 M. Stanback

M. Formicivorus

Blm 2 HNHR

1 May Veronica reports old BM ♀ one of the displaced GA20 ♀ here. ♀ is chasing off other ♀♀. This group had been abandonned (we thought)

M. formicivorus

Blm 3 HNHR

19 Apr Roost watch : They do have some acorns here. I'm pretty sure I heard a bird at DKHW, & I definitely heard a bird karritting alot at Kirt. At 1908 2 ACW's flew in fast from the direction of Blm 2 and went into the "woods". They vocalized briefly & presumably roosted there.

30 Apr Report of a bird in tradit hole.

1 May 0900 There are birds at Dark Hollow!
0930 5 Freshish eggs in trad hole (lower)!

3 May Veronica reports 1 ♂ & NoBA ♀

10 May 1300 Bugger (R) all. Not hatched yet. (no one in hole)

12 May 1715 RL = 4.45, LL = 3.9, RW = 5.5 (My), LW = 4.9 (Lr), last egg was peeping, but not pipping. Bugger all.

13 May 1700 RL = 6.6, LL = 5.3, RW = 7.9, LW = 6.5, new guy already hungry - starving = 3.2. I removed for... tissue. These guys aren't growing great

17 May 1530 RW = My = 21.9, LW = LG = 22.3, RL = R = 22.8, LL = 15.0 & not looking good (very pale, a bit thin, & abdominal hemorraging - does it have anything to do with the tiny scab on his belly?

25 May 1300 Down to 3 kids. I gave them each some dog food, then set & tied off ambusher.

27 May 0700 Set & ready. Nabbed ♀ at 0755. Stress series. Band.

M. Formiciverus

GAZO HNHR

1 Apr Roost watch at the hole down toward the trough (r CVGR). Not a peep.

3 Apr Roost watch main trees. 3-4 birds into higher nest hole.

4 Apr 1800 Checked hole - empty but some chips. Went ahead r set ambusher. 4 hesitant birds in.

5 Apr Ambush! Got the 4 and bled. Painted both ♀♀ and released w/o lapping. Took 718 + 2057 back for laps. Sadly, I overanesteziked 2057 and killed him. See cap recs for lap data and more info.
0830 Power struggle in full swing. Just fucking great. We release ♂ 718 r hope for the best.
1000 Return to Find p.s. still on (r possibly over) H's all the UPHF ♂, including babies NSAB. ♂♂ 1285, 1647, 1808, 2094, 2095, 2133, plus r NOBA ♂ who's part of the gang, plus a NOBA ♀ making a cameo
Roost watch (Veronica): see my UPHF notes 5 Apr.

13 Apr Sergio roost watched the downhill hole - nada
Apparently the UPHF ♂♂ are still here (w ♀?)

16 Apr Roost watch: Marni sees 2 birds into higher of low holes.

17 Apr Ambush. Well, the hole was higher than I thought, and more overgrown, and deeper too. And there was only 1 bird (2134 - whom I caught 10 days ago at UPHF). See cap rec. Eric saw 1 bird into the (higher) nest hole last night. Starlings in the Fence knot hole.

18 April Eric reports the 3 CVGR ♀♀ are here!

M. Formicivorus

GAZO HNHR

(18 Apr) Roost watch: No one into low holes (Kelly). Where else?

19 Apr Roost watch: I show up at 1840 + there's a bird in the high hole (ambush hole) + the one right below it, so instead of watching, I moseyed to Bhm 3

22 Apr Roost watch: Eric reports ~5 birds in high hole. Don't want to get my hopes up - but hot dog! (Quit kidding yourself - you're sick of this)

23 Apr Set ambush. As the birds were gathering for bed, a Cooper's hawk came through. ACW's scattered - sounded like there were a dozen. Anyway not all of them came back. Damn. ~4 in. Manana

24 Ap Ambush! 4 birds - 2 ♂♂ (the oldest two) and 2 ♀♀ (the oldest two) - more than co-incidence? Anyway, bled + sorta stress series. All 4 back to lab for lavage, lap on ♂♂ (piss poor for both), and I removed 2 T implants from ♂ 1285. I resist the temptation to implant the ♂♂, and settle for paint instead.

28 Apr See UPHF notes.
Walt finds nest!

24 May Veronica reports no feeding yet.

27 May 1230 1 egg hatched (RL), didn't weigh.

29 May 1145 RL=9, LL=6, RW=5.3, LW=3.1 (he's a goner, [but fresh] but I didn't feel like killing him for tissue.
2 dead eggs - removed both. (one 25.1 × 18.95)
(1 inf, 1 dead)

M. formicivorus

CVER HNHR

2 Apr 0520-0545. Stood at Gate to hear where the birds first vocalized. MurF birds were up at 0525, but CVER was quiet til 0545, when several birds vocalized from the Rajn part of ter

9 Apr 1200 What's going on here.

10 Apr Well, something... V+E come by in the afternoon to find a power struggle... being won by a WGate ♀ + mystery ♀. Roost watch - nothing. Damn, I missed my chance to get Finch effect blood.

10 Apr Set a net in gran by 0820. Caught the mystery ♀ (2180 from MPHF). Bled + stress series, painted green + released.

13 Apr Roost watch trad tree, fence tree, snag tree. Nothing I flushed the creek hole afterward - nada

16 Apr Sergio by trough, Kelly by fence hole, me by 92a hole. Sounded like roosted in granary.

17 Apr 0730-0815 Tried netting ♀ w ♀ dummy. No interest whatsoever. The only dummy is me... I should've used 2180 in a cage to catch ♀. Roost watch scheme. Eric watched the fence + snag holes; I kept them (5 birds) out of the granary - where they really wanted to be (esp the knot hole) (I did see 1 mount/copulation interrupted). They finally flew towards Eric, but only 1 to hole + it left. Damn. Afterwards I realized I can put up a net tomorrow nite. Worth a try.

18 Apr Eric reports that the 3 CVER HF are at Gazo! (Just as I thought!)

M. Formicivorus

CVER HNHR

(18 Apr) Roost watch: Sergio sees 3 birds into gran hole

20 Apr Roost watch: Being a nice Fellow, I invite Ron out for a nite-netting. Veronica watches the net, I watch the fence hole-the snag hole, I tell Ron to chase birds if they show up over toward the saddle. The birds decide to roost in the fence hole! Great! I'm already anticipating a nice pole ambush... and then... I hear crunch, crunch of Ron's footsteps approach! Oh no! All the birds take off toward the granary. Damn. Ron!!! One bird hits the net on the way into the granary hole (only one...) Its 2172, a Fall baby, who is now a breeder. He's way tangled, so I bleed him in the net. Stress series, back to lab for lap (4 fov) → not greatest view in world. Will release in am.

21 Apr 0600 Released 2172.
Roost watch: birds roosted across creek in no-man's land near Murf. No one in fence hole or net (which was set) Starlings in Fall 92 hole

24 Apr 1500 Removed starling nest (w 4 young chicks) from 92a hole. Under the nest was water. They built a nest in a water-Filled hole!!! I used my bandana to get as much out as I could. Boy was it stinky. Yuck!

19 May Eric reported a bird in the CVER/Gazo hole yesterday
1430 I climb. Empty, no Fresh chips.

M. Formicivorus

CVGR HNHR

24 May 1400 Hello trad hole + "Eric" hole + fence holes. Nada

2 June Bloody hell! After weeks of searching (+ Rebecca saying the other day that they go to MuoF knol + me saying "Naaaa") Veronica Finds the nest up there. Kids big (~ 2 weeks +) (just a peep - cutting will be a bitch - thick). A rush to do an implant experiment. Roost watch 2 nite, 2 watches tomorrow

Roost watch: Nothing at fence hole or snag hole. One bird into high knot hole in granary. Bugger all.

3 June 1500 Cut open hole. Set + tied ambush. 3 big chicks.

4 June Set + ready at 0515. Caught 3 B/N between then and quitting at 1100. See cap recs. Rain. Damn, I wish I had been more choosy about that 1st bird (shoulda caught 2171 - to change bands + get asymptotal measures). Caught 2178(T), 1616, 2038

5 June Set + ready ~~at~~ 0740. Red From yesterday fed twice, black visited once, + 2172 came lots. I really wanted 2171, but after the rain started, I caught 2172 (on his 5th feed visit) + gave him T implant.

7 June 0930 Band + bleed (stress series) the 3 kids.

11 June 1300 Added the 2 biggest kids From A1 here.

O(W) weighed 84, wch = 94

20 June Yep, still have prenty acorns.

1993 M. Stanback

M. Formicivorus

	MurF	HNHR
2 Apr	1440 Hello holes - nada.	
5 Apr	0845 - 0900 Spy - not a soul (but a Cooper's hawk)	
11 Apr	1615 Seeing as Veronica saw visits to the outer of the twin uphill holes in the main grun (where 92 spring nest was) I peeped it. Empty and no Fresh chips. Also, the only have @ 100 acorns stored. → Time for an ambush.	
13 Apr	Veronica had seen 1+ birds in the hole roosting. Its a good thing (?) I didn't ambush immediately. 3 birds roosted in a higher W hole. 1 bird went into the 92 nest hole. I'll set the hi hole.	
16 Apr	0945 Bird in 92a hole making chips. Bag ambush....	
18 Apr	1400 Peeped 92a hole. Not many chips....	
24 Apr	1400 5 Fresh eggs. But careful - the hole has a dogleg, so the peep on 18 Apr may not have been ok	
6 May	0800 LL = 6.7, B = 5.6, RW = 6.1, RL = 3.9, LW = 3.6	
10 May	1330 LL = 25.1 = [redacted], RW = 25 = R, B = 23 = DB. No sign of runts. Shit, subtract 1 = 24.1, 24.0, 22.0	
12 May	0815 Set + ready, but the HM never shows. At 1025 I nab BM 1954 + give him a T implant + take down ambusher.	
13 May	Late start (1015). At 1053 Popeye goes in. Nab. Unfortunately, he's a gusher (had to use quick stop) And there's nothing worse than implanting in the blind. He still had his old implants, so I did a sham operation + left them in.	

1993 M. Stanback

M. formicivorus

	CV1	HNHR
15 Mar	1100 Saw 3 birds here. Gave dog Food. Think I saw 1911 from CV2 at Mill tree.	
2 Apr	1500 Hello sycamore hole - nada	
5 Apr	0835 " "	
9 Apr	1230 Acting on a tip from Veronica, I check the traditional hole - 5 eggs (not too Fresh?)	
16 Apr	0955 Bird in hole..checked... still 5 eggs.	
18 Apr	1345 " , put ear to it - nothing	
20 Apr	1430 Well, I guess I'm a little rusty on egg Freshness (then again, it was a peep). Anyway I hatched (RL - didn't weigh - windy), I pip-hatching 2 pipped, 1 sans pip. A place for RAVI kids?	
22 Apr	1000 RL = 8.3 (B), LL = 8.9 (MV), RW = 7.8 (W), LW = 7.3 (O), B = 5.4	
26 Apr	1500 RL = 21.4 (LB), LL = 21.8 (MV), RW = 22.5 (W). LW = 20.4 (O), B = 15.0	
29 Apr	0715 Set r ready. A bird goes in even before I'm ready in the blind. It stays in r eats ants, which are kind of bad. BM hesitates/visits, r finally goes in. Mystery ♂ out. BM out, 2170 in. Nab at 0745. But in the meantime, elate ants have emerged. The lower trunk is one mass of ants. I climb through and am engulfed. I get the bird out, go down through the ants again. Bleed bird while ants bite me all over. Back to lab for stress series, lap, r T implant. Maximum data I hope I don't end up regretting it. Release bird later (few ants near hole - good). Hope no fail.	

M. Formicivorus

CVI HMHR

30 Apr 0700 Set + ready. By 0800 the ants were swarming, so much so the HF refused to land. The ♂ I wanted (2054) was not much in evidence. He Finally went in @ 0830, but the BF was also inside + I didn't want her. The ants calmed down @ 0930, and 2054 Finally went in at 1010, while ♀ 1969 was also inside. I bled both (+ put a ring of cutters around the hole) and took to lab. I did a Final bleed after 1 hr and lapped ♂ + gave him control implants (on same side + thru same hole as lap - this is different From yesterday where I lapped one side + implanted the other. Incidentally, they Fed (esp BM + BM) during the worst of the ants. See cap recs.

1 May 1000 Weighed Kids + stuck in KOUT Kid (LBW = 36g) - = 31, O = 41.5, LB = 41.4, MV = 41.2, W = 42.8 Fed all of them mealworms, then plugged starling nest.

20 June Prenty acorns. Well, some.

1993 M. Stanback

M. Formicivorus

	CVZ	HNHR
15 Mar	1111 Got good IDs on 1911, 1372, 2107.	
2 Apr	1445 Hello holes - nada.	
5 Apr	0840 " " .	
9 Apr	1300 Hell'od canyon hole - nada	
16 Apr	1005 Hell'od holes - nada	
18 Apr	1330 Sneaky... 5 Freshish (?) eggs in trad. hole!	
28 Apr	1230 RL = 4.5 (W), RW = 4.4 (?), LW = 5.4 (R W). 1 dead egg (remv) and 1 pipping egg (very small 3.6 g, so the chick will weigh @ 3.0 g - damn, I wish I had waited 1 more day) So... approx 5.7, 4.7, 4.5, 3.0	
2 May	1100 RL : W = 17.5, RW = P = 17, LW = R = 20.1, ♂ = 13.3 = noBA.	
23 May	1300 Banded 4 fat & sassy babies!	
20 June	Acorns? Yep! In spades.	

M. Formicivorus

OKCO HNHR

2 Apr 1450 Hello holes - nada
Roost watch: I watched the connected nest holes in the uphill tree. Nothing... in fact, a mouse came out of it at dusk. Eric had birds over in the sycamore snag, but they were upset about something & ended up not in the recessed hole (though 1-2 roosted in some higher hole) I heard birds in the granary. A mess. Will watch again tomorrow.

5 Apr Roost watch: Eric reports deadness at sycamore, he heard birds toward granary.

16 Apr 1010 Hello'd all holes - nada.

20 Apr 1330 Good job Veronica - babies in hole #76!! LE = 22[redacted], DB = 19, Y = 19, - = 17.4. The door was way overgrown. Knocked down some dead limbs to get a view for a watch. Set blind.

24 Apr 1330 Set & tied ambusher

25 Apr 0750 Set & ready. ♀B came twice, then HM 2121. Nab! Bleed (big) plus stress series. Was going to lap in blind, but too crowded. Moved down to CV2, set up, & the bugger wouldn't snooze. Damn. Had to take him back to Hastings for mega-dose of metaphane. (3.25 Tov). Release 1115 PST

26 Apr 0730 Set & ready. After 1 hr the BF showed. Then HF. After 1.5 hrs 1394 showed up, but was too chicken to feed (he visited twice). The metal guy Finally came & went in. Nab! Bleed, T implant (I was going to put T in 1394, but

M. Formicivorus

OKCO HNHR

(26 Apr) I figured I might never catch him. Anyway, I rebanded the metal guy & & m. Ends up he's 886, an old OKCO baby from 1983!

27 Apr 0630 Set + ready. Nabbed 1394 at 0747. Bled, control implant, + measured. I released him before I cleaned up (possibly a mistake since he may still have been woozy). This was 0830. At 0840 a Coopers Hawk came by, but as I heard no screams I'll assume he didn't eat 1394 or anyone else. Ambusher is down, blind still up. Oh yes, the ♂ helper showed up w food, but didn't go in. Oh yes again ... when I was getting the ♂ out, the T ♀ (I'm pretty sure) came in + mobbed me. A T effect?

1 May 0900 Put the 2 big RAVI kids into here (DGR = 45, YO = 42.5) OKCO kids are much bigger. Cross fingers

- =	61.5	(16.6)	13	7	9
LG =	73.5	(19.3)	16	6	11
DB =	66	(17.3)	14.5	8	10
Y =	67.5	(17.2)	16	7	12

3 May 0800 Banded + bled the 4 OKCO kids (see cap recs) and removed the 2 Ravi kids to put into WGate, whose kids are close in age. GR = 51.5, YO = 46 pm nest watch in (Verowoc) rain. Very disappointing. Only 7 feeds. None by males. I assuming they're just freaked

8? May Well Fuck, during Eric's watch a gopher snake goes in and eats all my babies!

M. Formicivorus

OKCO HNHR

23 May 1345 Bird in hole in recess in sye snag. Didn't have string to climb. Will return.

25 May 1200 Climbed + cut (very rotten + wierd - a pain in the ass) 4 incubated eggs. Not connected to upper hole - which isn't a hole

26 May Erik has tape recorder problems - no watch

27 May Veronica watches... starlings destroy eggs. No data on incubation by implanted birds! Arrgh!!

20 June 1700 If there's one thing I truly hate in this world, it's this hole (92 a). DB = 14.3, 12.7, 8.4. But Fucking A, the holes are connected and I forgot to plug one. (There was no string here either). I set a blind. what a day.

1993 M. Stanback

M. Formicivorus

UPHF HNHR

30 Mar 1430 2 birds here (NOBA ♀ + ?). Who says there's no one here. Granary is empty. Checked 92 nest hole (Fallen) & found no ACW remains. They seem to be building a new hole here at the base of the broken branch.

1 Apr Eric reports 4 birds into 'toad' nest hole last nite. Walt sets ambush 2-day. Eric watches again. Birds freaked by ambusher. No one in ... except one sat outside hole looking in until past dark. I guess I'll ambush in the am (I'm assuming he eventually went in).

2 Apr Grrrrrrrrr. After not finding the string for 5 mins, I pull it & it sticks. Out flies the bird ... then the string gives & closes. I climb the tree to take the ambusher down & flush 3 birds from the W facing hole 6 feet away from the ambush hole! Eric! You said they flew away! What a shitty (& cold) morning. Now I'll have to wait at least a week to try again. I left the ambusher tied up. Grrrrrrr. Alas! I am truly heartsick. I just realized I could have done a pole ambush - I automatically went for the string ambush because that's how we did it last time (as a nest ambush). Arrgh!

5 Apr See Gazo notes. After ambushing at Gazo & taking the ♂♂ to the lab, all the UPHF males (+ several unseen now ♂ babies) took over. We went over to

UPHF HNHR

(5 Apr) set nets, but there wasn't a good place ... and the UPHF birds (1285, 1647, 1808, 2094, 2095, 2133) were just celebrating. I hope 718 can gain control.

{ Roost watch: Veronica reports things still hopping over here, so she stayed + watched roosting. The new guys checked out all the holes + were basically indecisive. Maybe I'll give 'em another day.

→ Hey, this is Gazo roost watch ↗

UPHF roost watch: 2 (maybe 3) birds into the 'other' hole where birds flushed the other morning. Do I ambush or wait for others to return from Gazo?

6 Apr Well, it could either be a pole or traditional ambush. I go w the latter, only because the ~~#~~ set up was already there. I'm sure I'll regret the decision. Only one bird showed up - and it went in.

7 Apr Ambush. (note the lack of exclamation point) Caught the guy. Its a Fall baby ... breeder ♂ (I think). At 0525 I heard ≥2 birds waking up in that live oak at the end of the strip of trees down by the road. Who is that?? Garrick there at 0538

14 Apr Eric did roost watch + got just 1 bird. I guess everyone really is settled in at Gazo.

24 Apr See Gazo ambush notes. The UPHF ♂♂ are settled in at Gazo w the CVGR ♀♀!

28 Apr UPHF ♂♂ + CVGR ♀♀ seen at both UPHF + Gazo!

M. Formicivorus

	MPHE	HNHR
5 Apr	1810 2 birds in 92 nest hole!	
6 Apr	1715 No one in hole - I climb & check. Nice new chips.	
22 Apr	1045 Walt found 4 eggs in 92 hole yesterday. I marked #5 today. Need to measure them (compare omega vs others)	
26 Apr	1500 1 = 24.8 × 20.15, 2 = 23.55 × 19.55, 3 = 24.5 × 20, 4 = 24.7 × 20.15, & 5 = 25.1 × 19.8 Remember, 1-4 are not in order	
4 May	1100 LW = 12.0, RL = 11.4, RW = 8.6. Egg 4 dead with a hole in it (recent) & yolky gunk. Another egg had a hole in it & was dry inside (hole apparently right where # was). My, my. They hatched earlier than they should've. (#3 hatched) 1530 FUCKING A. Veronica says, "oh by the way, hardly anyone showed up at the watch because you left a piece of webbing (red)". Fuck. Yep, I screwed up in a big way, but she should've known to either get it or come get me!!! I removed it (& heard a baby). Bird in hole on arrival.	
6 May	0830 I guess the only harm was that Veronica wasted 3 hrs. LW = 18.3 = DB, RL = 17.3 = W, RW = 12.9	
11 May	Roost watch - some birds into ~~nest~~ hole in next tree	
12 May	Set ambush. Birds in (stopped counting at 4)	
13 May	Ambush! 6 birds (4 ♂♂, 2 ♀♀). Released ♀♀ in Field. ♂♂ to lab for laps, implants. One was a BN who barely shows up. See if he's subordinate. See cap recs.	
24 May	1300 Band 3 chicks.	

1993 M. Stanback

2

M. Formicivorus

MPHF HNHR

13 June 0830 Saw 1962, 2080, & 2081 (I think) across road towards Radioactive. Flycatching like mad.

16 June Walt reports 5 eggs

22 June 1100 RL = 7.6, LL = 7.0, RW = 6.7, LW = 4.0 Fresh. There was 1 unhatched egg (no pipping, no peeping). I figured by the time it hatched, it'd be a goner, so I removed it. Back at the lab I opened it. Quite alive, but still had large yolk sac, had not pierced air sac either. It had ~ 24 hrs to go I'd guess. I made a tissue sample (#2327) since I'm keen to see if T implants have any effect on paternity. Sorry little guy. Est hatch async 11.6, 10.0, 8.7, 5.0, 4.0

24 June 1300 RL = 19:0, LL = 14.3, RW = 15 = Mv, r = 8.8 Runt looks OK (sort of), but I'm still convinced that a chick hatching 24 hrs after him would die. New Est for 23 June: 12.6, 10, 10, 6, 4

1993 M. Stanback

M. Formicivorus

LPHF HNHR

6 Apr 1700 Bird at hole on arrival. I check it - Full of shit on top of much on top of old soggy mouse nest. I cleaned out what I could.

7 Apr See uPHF notes for 2-day about mystery birds down by the road. Are they LPHF?
1530 Stopped - looked in the live oak here and there was a bird at the new looking hole. I caught an OY thru my binocs (at least I think it was OY). what gives?

22 Apr 1050 Hello hole - nada.

2 May Veronica reports birds working on road hole

20 May 1600 Starling flushes from new hole here (in road tree). However, I think I saw a ACW flush from elsewhere in tree.

24 May 1300 Hello road holes + trad hole - nada

1993 M. Stanback

M. Formicivorus

WGAT HNHR

3 Apr I've been helloing holes - nada

4 Apr 0830 Hello - nada. Gave 'em some dog food.

13 Apr 0900 Bird in hole over road.

1615 Uh-oh, the door looks like it's falling out.

14 Apr Bird in road hole - hmmm - door just loose?

— The door Finally Fell out. Walt tried to replace it, but limb too dead. Then Veronica sees birds in a new live limb.

1 May After visits over the last week or so I finally see a bird in the hole. Time to climb. 1300 Finally get a string up - go do Gate now FUCKING A.... I climb to find that the wood's about 5 inches thick (and live). I decide to try to lasso the kids (10 to 50) I take everything down, go back to Hastings, get lasso gear (+ blood + banding stuff) and then go back up to the nest. A complete failure. After about 40 mins I give up + start sawing. I finally complete 2 cuts, and luckily I bring the drill to turn the corner, but dammit, I need a keyhole saw to turn the corner (swiss army didn't work!). Out of the tree + home for dinner.

2 May 1700 Finally Finished the cut! And inside... 4 kids, O = 54, split = 50.5, OB = 49, Y = 42.5 + 1 egg (normal) One more watch tomorrow, the helper T implants.

3 May 1030 Put in 2 Ravi kids from OKCO, after which an adult flies out! Geez! Set + tied off ambusher.

1993 M. Stanback

M. Formicivorus

	WGate	HNHR
4 May	0700 Set & ready. B♂, B♀, & HF fed. At 0742 H♂ 2024 went in. Nab! Took awhile to climb tree, get bird, fix hole, tie ambush, etc. Bled at 20 min, back to lab for lap, T imp!.	
5 May	Ready at 0730. Caught 2028 at 0740. Bleed, Lap & control; implant. See cap rec	

M. Formicivorus

GATE HNHR

3 Apr I've been helloing the sycamore holes for several days. At 1600 I went to Square Nail Flat - several birds flushed from the snaggy live oak. (but not from the area of the 92 hole). Put some acorns on the platform. Why do I get the feeling that no matter how much I pleaded with Val or Skip, that for some reason, they didn't think dogfood on platforms was important enough to do, even occasionally. Kinda like no one bleeds birds or even gets hematocrit when I'm gone. Why is everything important to me ignored?

4 Apr 0830 Helloed holes - nada. Acorns still on platform.

13 Apr Veronica reports birds in both Sq. Nail Flat hole & the gate sycamore double hole.

1600 Bird in gate sycamore hole.

23 Apr Eric reports bird in double syc hole (it's about time)

30 Apr Veronica reports bird in Sq. Nail Flt hole

1 May 1330 6 relatively fresh eggs in ↑.

3 May The Pipe nest isn't Pipe, it's Wolf. And Wolf is the Gate HF 2105, 2106!

12 May 1400 RL = P = 16, LL = LG = 13.6, RW = Y = 15.4, LW = 10.8, now = 3.5, starve = 3.2 (took both to Wolf)

29 May Pm. Banded the 4 kids here and added in a chick from Rant (#2251). His measures are: 77g, 53 = ch, 24^{15}, $27\frac{1}{7}$, 11^{TS}, 17^{T}, 19.5 = culm

M. formicivorus

Pipe HNHR

30 Mar Walt set ambush. Eric reports at least 1 in
(28 Mar Roost watch - 3 birds wanted in - only 2 went in.
31 Mar Ambush! See cap recs. Only got 2 birds, but one was the NOBA ♂! (& the BF). Yea! Blood delayed, but so it goes. Lapped both. ♂ rather easy: testes large & white, about 8 mm I'd guess. Female not so easy. I saw some undeveloped follicles, but everything looked different than in the ♀♀ I've been doing at RANT. Things seemed more spread out: was this enlarged ovarian tissue? I never did see any gut, but was afraid to go thru the necessary layer in case it was indeed ovarian. No large yolky follicles seen, but I can't say they weren't just hiding. I'll check her previous wt from last year at this time (hmm, did they ever nest last year? I don't think so - was it due to the lap? When was the lap? I think it was Fall. ♂ had no molt, no tail spots. Released at 0800. Flew well. No power struggle.
1 May Eric finds nest in woods tween creek & road toward Wolf!
1215: 7 eggs! (5 normal & 2 runts) look relatively fresh. This is a peep. Didn't cnt yet.
3 May 1100 Set blind & heard/saw birds complaining at Wolf (though the bird flushed toward Pipe on 1 May. ? Aha! Eric reports NOBA ♂, ♀2105, ♀2106 from Gate. Wolf lives!

1993 M. Stanback

M. formicivorus

Pipe

5 May 1400 Helle'd hole - nothing. Bird Flew in the.
Walt finds nest w big babies - see cap recs

1993 M. Stanback

M. Formicivorus

Wolfpack — HNHR

3 May Wolf lives! See Pipe notes for 1 May, 3 May. NOBA ♂, ♀ 2105, ♀ 2106 From Gate!

5 May 1430 Go to cut it open - but its very deep. May need drill. Will return later. One of the runt eggs may not be (maybe just a small normal).

10 May 1200 Finally cut open...to find 7 dead eggs! (bird in hole on arrival) Moreover the eggs are graded in size ooooooo. Bizarre!

12 May 1500 Still incubating dead eggs. I put the 2 Gate runts in and take out the eggs (put in lab Fridge). The newer kid is RL. Before I fed them, they weighed RL: 3.5, -: 3.2. The latter kid ate more.

13 May 1430 Bad news... nest empty...damn. There are starving hatchlings at R1, 1800, & Blm 3 that could've gone into here. Egg sizes: 26.6 × 20.2, 25.8 × 19.3, 24.6 × 18.8, 23.8 × 18.75, 23.5 × 18.5, 22.35 × 17.1, 18.95 × 15.3

20 May 1315 Driving by, I see a bird at the hole.
1400 I check it, empty.

24 May 1200 Bird in hole! Check 7 fresh eggs (assorted sizes). Didn't open. LED: 24 May?

25 May 0945 Set blind.

1 June 1030 Checked nest. All eggs dead - again. I go to Chgo & pull out a doomed runt to stick in here, along w replacement eggs & some shells

3 June 0800 Chick alive & well. Eggs & shells still there. The 12-13 May Fuckup must've been From removing the eggs

M. Formicivorus

WolF HNHR

16 June Set + ready at 0715 (tied off ambusher yesterday) Bugger all! Only 2 feeds in 3 hours! Both by ♂. Female landed once (with acorns! So they certainly have "stores in May" - maybe even "summer".... Anyway she started + Freaked + Finally left. Oh well. Will try tomorrow.

17 June Set + ready at 0645. ♂ came a couple of times (make that "several"). ♀ not showing. Did hear chattering while ♂ was in hole, so the Gotte ♀ must be hanging around pissing off the NOBA. NOBA ♀ in at 0821. Nab. Band, bleed, stress series. ♂ in at 0917. Nab. Reband, bleed, sseries. The ♂ is indeed 1629 (Found out by looking up metal band)

22 June 0700 Stole the Chgo kid that's been pinch hitting here, but alas... I had no one to replace him with (the AoFT runt had died!!). Back to Chgo.

M. Formicivorus

	RL	HNHR
15 Mar	1000 - 1015. Possible sighting of ♂ 1573 + another NO,D ♂. Eventually saw 4 birds. Gave dog Food	
18 Mar	1230 Bird in a high hole.	
30 Mar	1340 ~~LB K~~ LB-K = 1573. Saw repeated flights to 92 nest hole. Saw several birds. Checked 92 hole. Bird (♂) in new hole 2ft up.	
31 Mar	0545 Saw bird at Wolfpack's low snag hole!	
2 Apr	1330 checked hole - babies!!! 3, about 3-4 days old. Holy shit, this is the earliest nest in woodpecker history. Is everyone started?	
3 Apr	0945 RL = 17.5 R, LL = 14.7 ?, W = 13.6 Eric did a watch here this afternoon + reports 2 ♂♂ here that aren't on the Field list!! RM + KDB The latter is ♂ 2096, the former is ♀2145 (Fall kid!)	
6 Apr	0830 RL = R = 26.1 (10.7), LL = P = 23.7 (11.4), W = — = 19.5 (10). Hey, time to do a T implant. Pm nestwatch	
8 Apr	0730 Ambush is set + I'm in the blind. After several days of screwed up nest watches, I'm ready to do a helper implant exp (+ a breeder too). Anyway, no feeds for 45 min, then both BM feed. BF Finally Fed right before I quit at 0900. Will try again tomorrow.	
9 Apr	Set + ready at 0830. Got 2145 at 0849. Bled, painted, control implant (at lab). See cap rec.	
10 Apr	Busy at CVER, so wasn't able to come over. Finally did. Caught ♂ 2096 at 1247. See cap rec. Didn't lap these guys (in keeping w last yrs protocol). T implant.	

M. Formicivorus

RL

11 Apr 0800 Caught 1575 for control implant. See cap rec.

12 Apr 0833 " 1573 For T implant. " "

Oh yes, Eric watched roosting last nite (11 Ap) & 1575 went in. Actually, 2 birds were in, he flushed em, & 1575 retrieved.

20 Apr 1030 Banded 3 fat & sassy babies. See cap recs.

10 May 1230 New Nest !! 5 incubated eggs in new hole 2 down from 93 a hole (below 92 F hole).

13 May 1400 Cut open nest. RL: ^{R}8.8 LL: 4.3, RW: ^{W}7.0, LW: 3.6 B: 9.0 (LL was 1 day old and hungry, but I left him in, LW hatched 2 day & looked mostly ok, but still living off yolk, so I took him - he's a goner. ~~Put him into Wolf.~~ → no, he's to be a tissue sample

17 May 1430 RL = R: 25.2 RW = W: 18.3 B = B: 23.4. No sign of ~~egg~~ LL, so I feel better about offing LW. Still, it's a pisser that Wolf Failed.

24 May 1130 Set & tie off ambusher.

1600 Set blind, added in Nv/DB baby from a random nest over at Rana Creek.

25 May 0630 Set & ready. Birds start to show after 1 hour. I wait 2 more (0930), but the 2 T birds never show(!!) though everyone else does. They are starting to not go all the way in. (Idiot, should a caught ^{9} birds)

26 May I assuage my guilt somewhat by catching ♀ 1938. Start 0715, nab at 0822. They seldom go all the way in. Stress series.

1 June 0900 Banded (+ stress series) the 4 kids here (3 + add)

16 June 1030 Hello holes - nothing.

1993 M. Stanback

M. Formicivorus

Finch HNHF

11 Mar 1430-1500. Well bloody hell. There are birds and acorns here and the Fuckers haven't Fucking been Fucking looked at since Fucking October. Why the Fuck does no one censns around here? Mus: I do everything? Fuck. Way to go Dwayne. I waited but the birds never came back

30 Mar Roost watch: not a peep.

10 May 1400 Saw a bird Fly From Fnch gran to Bongo (tree across road) and then Flycatch there. Disappeared for a bit to a out of site part of Bongo tree, then Flew straight to the "traditional" relatively low hole (out of view 10-20 sec) then Flew across creek. I hello'd hole. Nada

1993 M. Stanback

M. formicivorus

MacFlat - R3

30 Mar 1400 Saw 5 birds at MacFlat (had first thought they were R3 birds [redacted]) They also have stores in the burned snag and in the sycamore snags over toward R3. I'll have Eric do a census.

31 Mar Eric reports quite a few acorns in the uphill side of the barn granary. A non-R3 ♂ seen

20 Apr People are reporting interest in the low road hole here. R3 birds?
1630 ♂ in a new hole 2 Ft above old hole. Another bird was hanging outside. Peep. Fresh chips.

24 Apr 1600 Peep again. Empty.

27 Apr 1540-45. Quick spy. Nada.

1 May 1230 Well damn. As soon as I stop peeping, they start laying — 5 eggs! in higher hole.

5 May 1500 Cut open hole - a royal pain - very rotten

11 May 1530 3 cold kids - wouldn't beg - so I couldn't grab 'em. Did get: RL = 6.1 (the other 2 looked about the same size). Will return tomorrow.

12 May 1530 RL = 9.5 (K), LL = 9.3 (YLG), RW = 5.4 (P), LW (RL from yesterday) = 8.7 (R), 1 egg still unhatched! Will return tomorrow.

13 May 1415 RL = 12.3 = K, LL = 13.4 = YLG, RW = 7.8, LW = 11.4 egg still unhatched - couldn't reach - must be dead

17 May 1500 LL = 34 = LG, LW = R = 34.2, RW = LP = 26.4, K = 31.5. Egg not there, but shells were. Did it hatch?

21 May Set and ready at 0720, Nabbed 2147 at 0847. Bleed + T implant. Quit at 1020. Tied off ambusher

1993 M. Stanback

M. Formicivorus

R3 - ~~McF1~~ HNHR

15 Mar 1020 : Saw ♂ N(B-W?)/M (assume ♂ 1510)

30 Mar 1400 : Saw 5 birds at Mac Flat. Who are they?
No one flushed from R3 when we got these.

2 Apr 1400 Hello holes - nada.

3 Apr 1000 " "

22 May Set + ready at 0700. Kinda slow. Nabbed HF 1982
Bleed, control implant. (Caught at 0807) See cap rec

23 May Bugger all. Waited from 0650 - 1100 for 1633, but he
never showed! Will try tomorrow.

24 May Set + ready 0700. Nabbed 1633 at 0801 for T implant.

25 May Pole ambush at nest! Caught 1510 on kids. Bled,
implanted (control), measured, and put back in nest
while still asleep. He was missing his lower left
band, so I put on LG-DG (dif from field list)

30 May 1600 Banded + did stress series on the 4 kids.
Also added in #2252 from Rant.

M. Formicivorus

School Hill — HNHR

20 Apr Walt reports babies in the uphill hole in the ~~[illegible]~~ exclosure. (SHW in high hole)

21 Apr Stop the presses. 2 Fall kids (♂ 2137, ♂ 2138) have won the undisputed power struggle at Moon. So much for implanting helpers. We caught, bled, & lapped 2137 (see cap rec).

23 Apr 0800 Arrived to do implant experiment. Set up, got in, waited. At 0850 the bobber fell. I reset it & waited again. ♀ came, saw, & Freaked. Waited more. I don't think this is such a great place. I decide to quit at 1100. But at 1050 ♂ 1426 Finally goes in. What the hell. I do a single bleed & give him a T, implant - green paint

24 Apr 0920 Set & ready. (Not very optimistic) But at 1025 ♂ 2137 (From Moon!) fed, immediately followed by 1385 (whose DG-R(N) band is essentially unreadable) Bled, measured, etc. He's now the control for the implant exper. Oh yes, I changed his band to DB-Y(N) (same position) [Oh yes, back on 421, ♂ 2137 is dom to 2138 - at least he copped the ♀

31 May Eric reports bird flushing from hole at bottom exclosur

1 June 1500 3 fresh eggs! 3 birds flush. I recat door & mark eggs. Set blind. Hot dog.

3 June Yesterday Eric reported there are 2 entrances. Arrrgh I climb (still 3 eggs) and plug up the open end of the snag

1993 M. Stanback

M. Formicivorus

SHIL HNHR

13 June 1630 RL = 6.5, LL = 8.8. Egg looked dead (I think) Big gopher snake near base of tree on arrival. I took him ½ way back down to long field & released him.

M. Formicivorus

AvFT — HNHR

13 Mar 1100-1200. Intentionally disregarding my repeated requests for AvFT to be censused regularly, Val & Dwayne have ignored it since 1 Sept 1992. I arrive to find both acorns & birds. I got a full id on ♂ (this was a spring 92 baby just now being sexed!) 2073. No other birds seen or heard. Gave 'em some dogfood.

Mar Set strings for ps

7 Apr 0800 Hello holes - nada (did see 1 bird)

21 Apr 1500 " "

18 May Walt reports eggs in high hole

23 May 1630 4 incubated eggs (3 + runt) ← I think that's right.

24 May Veronica reports ♂ 2073 & new NOBA ♀!

29 May 0800 RL = 4.8, BL = 3.25, RW = 3.2. All look like they hatched yesterday and are a bit thin. Can't stick Ravi runts here.

2 June 1515 RL = 0 = 20.5, BL = 10.8. wow.

8 June 1530 0 = 45, - = 16. wow. wow. Set. tied ambush.

13 June Set & ready at 0930. Nabbed ♀ (NOBA) at 1013. Band, bleed, stress series. Both babies alive.

21 June Alas, the runt is gone... and I needed him to stick into Wolf. Damn. See cap rec (WOK)

1993 M. Stanback

M. Formicivorus

	BKOK	HNHR
7 Apr	0815 Hello'd holes - nada	
13 Apr	1535 A bird in the old old hole above the knot in the poison oak tree. Have Fun Walt!	
18 May	Walt reports bird in PO hole	
24 June	0930 Hello holes - nada	

1993 M. Stanback

M. Formicivorus

	AI	HNHR
7 Apr	1030 Hello - nada	
	Eric reports bird in hole (92a)	
21 Apr	1300 Bird in hole along w 3 dead eggs! Air bubble is free floating, looks like a place to stick the aviary kids.	
May	Walt reports eggs in the cavern hole	
29 May	0700 DB = 43.8, O = 32.8, Mv = 30.1. Added in 2 Ravi kids: ODG = 24.8, DB R = 18.8	
11 June	Musical babies (0930). Brought the 2 other Ravi kids here from Rant (joining the 2 already here). I removed the 2 big kids (DB + O) and took them to CV&R. So AI was supposed to have 3 kids... and now has 5, only one of which is their own. Sorry for the confusion. Oh yes, I did a semi-stress series on the kids.	
[24 June	KONT nest empty!]	

M. Formicivorus

KOUT HNHR

7 Apr 0920 Hello-nada. Lots of acorns

13 Apr 1445 Eric reports bird in high E facing hole. 1 climb. 4 incubated eggs! Now... who's here?

21 Apr 1400 Nice timing. Hatched 2-day (ish). RL = 8.0, LL = 5.3, RW = 5.0, LW = 4.6

28 Apr 0730 Nice timing. Hole contained 1 near death chick (RL). Well fed but cold. So much for sticking these 2 RAVI kids in.. I warm up RL & now he's fine. I found no other chick remains below the nest. I saw ♂ 1221 (LB M) (so I think it was him) Also saw a ♂ w LB - maybe a (N) .. prob is 122). Anyway, he didn't sleep w jr last nite. I hear occasional garricks & saw/heard 3 birds together, so this must be a ♀ thing. Well, I again saw 3 birds, but I think its 2 ♂♂! I saw 122) sitting w/ NOBA ♀, so maybe it is a ♂ thing. ♂ w many tailspots seen (122) + hawk) Bled RAVI R = 1, B = 2. Took to LAZ.

18 May Walt reports eggs in new E facing hole in burn snag

2 June 1415 On arrival a bird flushes from the left hand side of the left hand trunk of the burn snag. There's a hole near there.

8 June 1330 2 birds in tree. A third comes in & chases one of the pair away. Things are still unsettled here I guess.

11 June 1000 Maybe not... Rebecca finds nest in 93a hole

24 June 0900 Hole empty!!

1993 M. Stanback

M. Formicivorus

LAMB HNHR

7 Apr 0915 ≥ 3 birds here: NOBA ♀, ♂ RM or RW, ♂ MO. Lamb ♂♂ are gone. Who are these birds? A bird twice went to the back side (very high), but doesn't seem to be a hole right there. We walked to Lamb & a bird flushed from near a high NW facing hole. I climbed & peeped & it was full of ACW shit. I checked the lower holes (the backside hole & both the low-low holes). Farmer w nice chips, upper of lolo w nice chips. Couldn't get a peep on lolo.

13 Ap 1500 Something's up here. Some garricks, some chasing, & birds that won't fly very far away. Saw a total of 5 birds. The upper of the 2 low holes looked very nice. The back hole had several woodrat turds in it. The lolo hole (not a good peep) had a piece of lichen in the doorway.

14 Ap Eric reports A1 H/Ms (& NOBA ♀ chasing other ♀♀)

28 Apr 0830 Hello holes - nada

18 May Walt reports bird in new hole in limb facing old tree in tree uphill from trad tree.

2 June 1430 Cut open hole: DG = 30, LP = 22.9, R = 29.7, DB = 35.4
Est hatch 25 May.

8 June 1400 Set & tied ambusher

9 June Set & ready 0610. At 0631 I [illegible]ab 1985 for bleed & T implant. At 0727 I get 2035 (control).

M. Formicivorus

Lamb HNHR

(9 June) At 0830 ♀ goes in, I pull, bobber gets stuck at very edge of hole. ♀ squeezes out, Freaked. Damn. Here's the problem. The bobber was wobbly after the 2nd ♂, so I used some Rameline to secure - camoflage it. But when I pulled, the lichen kept tension on the string instead of letting it Full Free. Moreover, I had made a little notch (a little too deep) at the edge of the hole For the string to feed through. This was where the bobber stuck. Double damn. And didnt realise this until after I had reset it and was back in the blind 0850.

0918 Nab! Bleed (stress series) ♂ band. Now I just hope they feed ♂ roost on the kids.

1993 M. Stanback

M. formicivorus

	FAAR		HNHR
7 Apr	0910	Hello - nada	
13 Apr	1510	Bird at upper of 2 traditional holes	

1993 M. Stanback

M. Formicivorus

	UAZ	HNHR
7 Apr	0900 Hello - nada	
13 Apr	1515 " " . No acorns stored.	

1993 M. Stanback

M. Formicivorus

LA2 HNHR

7 Apr 0830 Nest! In south facing (new) hole in traditional tree. 3 dirty eggs - hard to say how fresh (a bit?). Didn't cut.

21 Ap 1430 Cut hole. 2 Fat r sassies. DB = 24.8, © = 28.5. No egg.

28 Apr 0845 Unable to stick the Ravi chick (DB r R) into KOUT) stick them in here, where they are much too small (I did bleed them first). Also set a blind. ↳ 2202, 2203

18 May Walt banded these guys the other week day - all 4 fine. Veronica watched grow r saw only breeders. No helpers. Now. last years kids will have to be Unk

8 June 1445 Arrive. No one in any holes but I Figure out (instinct ... r broken branches) which it is. Before I go up I notice an intact infertile egg on the ground "under" the nest. I also find a shell (doesn't look hatched) nearby. I climb r peep r see 1 opague egg. I decide not to cut it open. Probably abandonned.

1993 M. Stanback

M. Formicivorus

Bianca HNHR

7 Apr 0820 Saw 2 birds. The traditional hole has fallen! But they're building a nice new hole below the break. (But ~~the~~ the limb didn't break at the hole!)

9 June 1030 Hello spring 92 hole - nothing (+ heard nothing)

24 June 0915 Tried to find Walt's new hole here. Couldn't

M. Formicivorus

RAVI HNHR

14 Mar 1450 Bled $\frac{W}{O}$. Marked Forehead & rump black.
At 1000 I had put a RANT ♂ & ♀ in next cage over.
30 Mar Removed ACW's From other cage. Started acorns
1 Ap Started on mealworms. Nest empty. Bird in hole
2 Ap Mealworms & acorns. "
3 Ap " " 3 birds in hole
6 Ap 0915 Runt egg in nest! Didn't mark it. Bled all 5 birds between 0920 & 0940 (see cap recs) Marked ♂♂'s, didn't mark ♀♀'s. Fed Full thing 'o worms
2127 : ♀ $\frac{B-W}{B-W}$ no paint
1783 : ♂ W/O green Forehead & rump & cheek
1785 : ♂ G/G 1 green Forehead stripe
1789 : ♂ O/O pink Forehead & cheek
1787 : ♀ Y/Y no paint
1300 (time) runt egg still there. 2 birds in hole. Set up video camera for 2 hours starting 1304 (the camera thinks its 1217 or something.
7 Apr 1100 Marked 2nd egg (laid by 0800 WDK). Question is, did walt turn on the camera at 0800 or not. I turned it on & started recording at 1115 (the power was off when I started) The wierd thing was that the tape looked like it was ½ way done. Gave 'em a Full thing 'o' worms.
8 Apr 0930 New egg (no mark). Removed runt. Started tape
9 Apr 1030 Marked eggs 2 & 3 (I put a smudge on yesterday's) Started video
10 Apr 1130 Marked egg #4, started video, gave mealworms

M. formicivorus

RAVI HNHR

~~30 Mar~~ Finally removed the ACWS ing the other cage. Also started these guys on mealworms!

11 Apr 1030 Marked egg #5, started camera, gave mealworms. The color is wearing off these guys (or the helper ♀ was incubating yesterday – or the ♀♀ aren't marked. Yikes.

12 Apr 1030 Still just 5 eggs. Th-th-thats all Folks! ½ worms

14 Apr Gave ⅓ worms ↳ +1 runt = clutch = 6 !

17 Apr 1020 Egg #1 infert. Rest are OK

18 Apr 1230 Measure eggs. ~~Remove/Kill~~ #1 (lead) = 25.75 × 19.1 #2 = 26.6 × 19.9, #3 = 27.15 × 20.25, #4 = 27 × 20.55 #5 = 27.4 × 20.1, runt (already removed) =

19 Apr 1400 Bled all 5 birds (but forgot to repaint). They were nearly all gushers (esp 1>83, who bled 26 tubes !!!). Will divide up tubes for thaw experiment. Gave them the MOON eggs. Later put in 2085 from MOON into next cage – he died overnite (stress?)

21 Apr 1200 Egg 2 recently hatched (RL), egg 3 hatching, egg 4 pipping, egg 5 nothing yet. Nice! Mealworms 1600 Egg 3 hatched, egg 4 still pipping (notched egg tooth), didn't check egg 5. More mealworms.

22 Apr 0600 RL = 6.1, RW = 5.9, LW = 4.65 (6:11), egg 5 pipping. ♂ 1>85 was sitting on kids when I opened the nest 1130 RL = 7.2, RW = 7.4, LW = 5.2, 4.7 = B. Hey, a pass! I removed shells. So... a 24 hour spread hut index >>.5! Should I rethink the 24 hr cutoff.

23 Apr 1330 4 kids, look OK (eggs there). Didn't weigh.

M. Formicivorus

RAVI HNHR

24 Apr 1200 RL=13.2, RW=12.5, LW=10.3, B=10.6=LL

26 Apr 1200 RL=23.2=R, RW=22=DG, LW=18.2=Y, LL =20.3=DB. Fat & sassy. When will Moon eggs hatch.

28 Apr 0700 B=31.3, R=30.8. Took these 2 to KOUT, but they had failed (except for 1 kid RL who I revived & took back to RAVI), so I took B&R to LAZ, where they are several days too young. I bled them first (2202 & 2203). Moon eggs gone.

1 May 0745 DG=DG/R=44.5 (13.6), voBA=LB/W=36 (12.5) Y=YO =42 (13.75) Removed these babies so we can get an egg toss photo. To CVI, ~~OKCO~~. eventually w/ mate Oh subtract 1 to make 43.5, 35, & 41

9 May laid 1st egg. Was not marked (wah!) I was gone

10 May All day copulation watch. No cops seen. Just mateguarding WO was like glue on the ♀ all day. ♂♂ just sat in the corner, OO sat in the nest, & HF flew back & forth all day (zugunruhe)

11 May 0800 Gave mealworms, marked egg #3. All eggs warm - I guess they'll quit at 4. So bleeding them 2 day probably doesn't mean squat. Shit. I wish I couldve bled them earlier (like sev days ago). But, oh fuck it. See cap recs for bleed info.

13 May 1700 Shouldaknown. 5 eggs!

19 May 1=25.9×20.3, 2=26×19.4, 3=25.95×19.8, 4=25.6×20.35, 5=26.85×20.7. Egg 2 dead - I removed it.

23 May 0630 Eggs 1 & 3 hatched about same time, but chick from 1 was stuck inside (helped out). 1=RW, 3=LW

M. formicivorus

RAVI HNHR

24 May 0600 RL = 5.5, LL = 4.9, RW = 5.5, LW = 7.7. Where are the mealworms that were ordered? Egg 5 last.

27 May 0600 Still no mealworms - and the babies aren't looking good. Fucking A.

28 May 1700 RL = 16 = LB/P, RW = 12.3 = R, LW = 24.7 = O/DG LL = 16.7 = DB/R. These weights are as read off a pesola w/o a clamp at the bottom. Go Figure. Clip = 1.6 g minus bag = 1.0 g = .6 g added to all above wts ∴ RL = 16.6, RW = 12.9, LW = 25.3, LL = 17.3. I removed these kids, tried to bleed them (Kelly got 2 bled) and put 2 M. lewis in Ravi nest. Lewis' much bigger, but Ravi birds Finally accepted them. Ravi kids spent night under a lamp.

29 May Took Ravi kids to A1 to add in. A1 kids big! 0700 OG = 24.8, BR = 18.8, LB LP = 17.6, r = I added OG + BR to A1, then went to ArFT to put small kids there, but ArFT just hatched. Ravi kids now in limbo. I Finally got blood from the runt (# 2264). who keeps stealing the Fucking sharpies !!!!!!!!!!! Ravi kids (the small 2) ended up at Rant, where they were accepted in the place of their bandable kids! 2 Lewis kids in Ravi.

1 June 0700 Bled all 5 Ravi birds. Painted. See cap recs.

9 June 1200 Lewis' still not Fledged.

11 June 0600 Ditto. I put Rant ♂ in here for power struggle 1330 ♂ Looks OK, some dog food seems to be gone. Gave acrns.

13 June M. lewis Fledged!

M. Formicivorus

Ravi HNHR

June 23 [redacted]	0900 Seized with intuition, I grab a pen & check the nest - Yep - 1 Fresh (runt egg). Set up a sham camera
June 24 [redacted]	0800 Runt egg gone. Marked new normal egg as #1. Bled all birds (& painted too) except for BF (who did spend a few minutes in a bag)
	1215 Start video (which says start time is 1230) No one in hole on arrival
25 June	0745 Mark egg #2. Start video (0800)
26 June	0745 Mark egg #3 (warm). Start video '0800'
27 June	Marked egg #4. No video. Camera Fucked.
28 June	No new egg. 1: 26.2 × 19.7, 2 = 25.75 × 20.1, 3 = 27 × 20.8, 4 = 26.75 × 19.85. See FA notes for hatching.

M. Formicivorus

RANA

12 Mar 1500-1630. Saw NOBA ♂. Well damn. All the banded birds are gone! Replaced by 3 NOBA ♂♂ and at least 1 (I think 2) NOBA ♀♀. The 3 ♂♂ gathered around the high hole & argued while a 4th bird (a ♀ perhaps) was inside. One of the ♂♂ has a white base to his bill (~~the~~ not the Feathers). So... I'm pretty sure there are 5 birds here. The ♀ I'm watching now has brown tips to all her wing Feathers). A ♂ just went inside the high hole. I waited but never saw a 2nd ♀ (but the birds kinda left). But that ♂ stayed in the hole til I left (½ hr) Yikes

13 Mar I come to roost watch but find 2 dead birds with their heads stuck out of the low pole hole. Starlings in the hole w/ the separate square door (acw's wanted in). 2 birds eventually roosted in high hole.

14 Mar I think I counted 5 birds here. Checked the woods for a hole - couldn't find anything. I pulled the 2 dead birds out of the pole hole and found a 3rd inside. What a slow & horrible death. One of the birds at the entrance was 2008 (♂), the other was a NOID ♂. The remains inside the hole were those of ♀ 2155 (found bands from R Leg, though skull & bones were only remains. While there may have been more inside, I couldn't really be sure.

Roost Watch: 6 birds! I saw a reciprocated pre-

M. Formicivorus

RANA

(14 Mar) roost mounting that looked to be a copulation. Tail was wrapped around ♀ cloacal contact seemed to be made! And this was 2 males! (I'm pretty sure). Later I saw a real real copulation. It was not reciprocated and the top bird slid down the side of the bottom bird ♀ hung on to get full cloacal contact for over 3 seconds

18 Mar Having caught the white-billed ♂ from here at the Rant powerstruggle, I go over at 1115 to see how he survived his lap. He's fine!! But I also noticed that a ♀ has green paint - so it was her we caught at the RANT p.s. The RANA birds left the area after I ID'd these 2 ♀ a NOBA ♂, so I can't say if we caught the other ♀ here.

19 Mar 1500 Relapped 2160 (blue) from other side (a pain). I'm pretty sure I was looking right at his testis (very pinkish red - maybe that's what threw me off originally). Anyway, about 5 mm. Relapped 2157: testis @ 7mm long.

30 Mar 1030 Drive by: banded ♀ at "nest" hole with another bird. Need to check it ♀ set ambush.

1 Apr 0800-0930. Birds in the high hole, but the big surprise is that ♂ 2186 ♀ ♂ 2188 are here! They were the 2nd batch of birds to move to RANA - they were also kept in the aviary for awhile - ♀ I wondered why the last 2 gave up (the 2 we didn't catch). There's a NOBA ♂. NOBA ♀ here.

RANA

(1 Apr) NOBA ♀ has tail spots. At least 5 ♂♂ birds here. Hey, the banded ♀ I saw the other day may not have been, I think I saw like green paint & assumed it must be the banded ♀ I had seen earlier. They are mate guarding (2 ♂♂ on NOBA ♀). Hey, definitely 2 NOBA ♂♂. One of them checked out (looked in) the death hole. No sign of a 2nd ♀.

7 Apr 1350 - 1420 Watched. Yep, they're going in the high hole. Saw white-bill & NOBA ♂, plus a bird who sits on top of the nest limb & sleeps. I'm concerned that he's a sick lap bird, but I see no paint and he's fluffed over his legs. He's been there the whole time! $\frac{DGM}{LP}$: is this ♀ 2183? The sleepy ♂ moved & I'm pretty sure I saw no bands. No forehead or rump paint either. Time to climb. I free climbed up & set a string. The hole is chippy, but it's a split level (bad news - remember Ltay?). The door has grown over, but I didn't cut it - next time. The sleepy ♂ flew in & I think he is sick (he's also a NOBA). He had trouble flying, landing, & walking. In fact he came within 5 ft of me. Anyway, the hole isn't that huge, so I need a roost watch here to see where everyone sleeps. Then ambush.

10 Ap Came to roost watch - the owner's are here. Damn.

14 Apr 1015 Nice timing! I climb to find 2 fresh eggs! I recut the door

M. Formicivorus

RANA

(14 Apr) Did a 1.5 hr watch here (see sheet). Saw ♂ 2182, ♂ 2186, ♂ 2188, NOBA ♂, ♀ 2183, ♀ 2184, & NOBA ♀. I was hoping to ambush tomorrow night, but there's a potluck! What to do... this group offers so many possibilities... and ambushing ruins several of them. I guess I have to stop doing my dissertation sometime....
Roost watch: SEE PAGE 4b

15 Apr 0600 Tied off ambusher (didn't peep)
0810 Arrived to do ambush just as it starts to rain. I decide to wait til 0830, when it starts raining even harder. Around 0900 it starts letting up, so I go set the ambusher. At 0935 the NOBA ♀ goes in. Wham! I do a lap there at RANA, but the ♀ dies (over-anaesthetized). She's now a spirit specimen. Now there are just 2 BF here (both banded). Here's the rub. When I climbed to set the ambush, there were still just 2 eggs. What gives? It was obvious that not all 3 were laying, but I expected something more than the 2. Maybe the ambusher freaked them & they laid elsewhere. (then again, there was a bird in the hole at 0900 & I caught the ♀ rather quickly, so who knows. Gave her #2196 (took RBC's & plasma, no stress series.) No bands. See cap rec.

M. Formicivorus

RANA

14 Apr Roost watch: I set an ambush on the nest. Kelly watched it (1 bird); I tried to keep a general eye out. 2 birds went into the forest, the rest were (it sounded like) together somewhere in the tree. I thought I saw 2 birds go low but I couldn't find a hole there afterwards. So... 1 bird... I decide not to ambush. Instead I'll try for a female tomorrow morning - they were in the hole non-stop today.

---

16 Apr 0845 I watch nest hole for 10 min. A ♂ sticks head out! I wonder if there are more eggs?

27 Apr 1330 Climbed to weigh hatchlings & instead I find a dead NOBA ♂ and no eggs. When I arrived, however, a bird flushed suspiciously from the central part of the tree. I guess this dead fellow is the sick NOBA I saw on 7 April. But the NOBA ♂ on 14 Apr looked fine. Were there 2 NOBA ♂? I guess I'll find out. 1445-1515. Watched from truck. Birds eventually came in but they showed no nestiness or mate-guarding whatsoever! I don't think I started a Fitch effect, since all 3 fems were pre-incubating. I looked for holes w birds after spying - nada. !??! Dead ♂: ch=145 tail=80, culm=33.0. No tail spots. Brown wing tips.

M. Formicivorus

RANA

26 May 1430-1510 Parked & watched. Saw some birds but no nestiness. What gives? Finch effect?

30 May 1315-1400 Spied. First From across Field. Heard "peck-peck-peck" From (I think) side near road. Also saw a couple visits to other side. Little activity. Ah ha! Moved truck. Bird in the old separate door Faces the road lowish ambush hole. Peck peck. Heard nothing when flushed. Must be eggs.

1 June 1400 Damn. Climbed & peeped. Empty ... and still some old straw From the starling nest.

9 June 1230-130 Spied. Saw birds but no real nestiness. Some Flights (2-3) toward nest, but also several more into woods across field (they were hanging out flycatching at the edge there). Hello - nada. Even crows were Flycatching. (what, 4-5?)

12 June Removed ♂ From Rant yesterday, & it looks like those crazy Rana ♂♂ have moved over there. (I was trying to ID w binocs, so don't take my word for it yet ... see Rant notes) Maybe there is a Finch effect here. Shit, that would explain why the NOBA ♀ wasn't caught last time, & why ... but wait, they were all pre-incubating. Oh well.

1830 ID'd ♀ WDK/WM, ♀ DEM/WLP. One went into the nest hole. Another was picking green acorns! (gran Full) Roost: Maybe 1 in gran, heard 1 other by pool. So if the ♂♂ are at RANT, why no replacements?

M. Formicivorus

	RANA	HNHR
13 June	0700 - 0800 Dead. Just ♂♂ here	
14 June	0700 ♂♂ still at Rant. Still dead here!	
15 June	0700 All quiet here, though the ♂ must be back here (after being evicted from Rant by Mr Pink) We released 2182 & 2186 one at a time back at Rant, where they were both chased out by Pink. Presumably they are back at RANA... or will they combine forces again & take on Mr Pink.	

M. Formicivorus

RANT

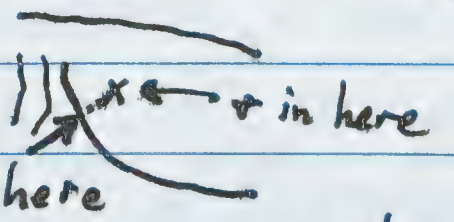
12 Mar 1300 - 1500. NOBA ♂ w brown on both wings. I see 3 birds here, but avoid granary (use) The NOBA looked in the ambush hole. A piece of black connects across white tween eye & bill on right, but not on left. Saw ♂ 2160, so who is this NOBA? The missed baby? Well, I waited & chased & ID'd the following: ♂ 2157, ♂ 2160, Ⓕ 2130, and the NOBA ♂ (who must be the missed baby) I only saw the left leg of 2130, but I saw it over & over. Never saw any other ♀ which concerns me.

1630 Set strings (2 sets) for nets.

13 Mar Roost watch. Kelly sees 2 birds go in low hole at 1825

14 Mar Ambush. Pole worked well (I fixed it so it telescopes again). Caught NOBA ♂ from the other day (yes, it's him) & ♀ 2159 (who I hadn't seen). The ♂ (now 2180) does not look like a 92 kid. He's got a long bill & is molting some crown & (her) body feathers. What gives? We take him back to Hastings for laps. Very difficult. Thigh muscle goes much too high. Put ♂ & ♀ into aviary.

15 Mar 0800. Lapped ♂ again - this time got it rite! Testis ~ .5 cm. Then did ♀ & Found inactive ovaries. The trick is to go under the thigh muscle & past the last rib.



Both were a little lite so I gave them a squirt of peanut butter.

M. Formicivorus

RANT

(15 Mar) 1700 Both ♂ & ♀ seemed Fine in aviary.

16 Mar 0730 ♀ Fine & flying around. ♂ was asleep on the aviary wall below roost hole. Looked like he slept there (shit pile). I gave (force fed) him some dog Food & put him in the log. Oh yes, last night 2 birds roosted in a snag hole in the granary (the nest where I stole kids in 92). We ambushed this am but there's a 2nd entrance
Roost watch: 1 bird into a snag hole near the 13 Mar ambush hole. I watched over in the W trees, where I found a hole last night (& prevented a bird from using). 2 birds went into it 2-nite (of course, I also chased 2 birds out of a live oak hole a little earlier)

17 Mar Ambush! Pole over granary hole, got ♀ 2130. Then pole over the W Woods hole and got 2 birds, ♂ From RANT & ♀ 2007 From RANA! What's she doing here - I guess she's a Floater since being evicted From RANA. Anyway, got single blood samples From all 3 birds (@ 1 hr after pole) C'est la vie. All back to lab For laps. Will this ambush start a power struggle? ♂ 2157 is still there, as is ♀ 2158 (but she wasn't seen the other day) By the way, it was pouring rain all thru the ambush! After lapping & bloodwork, it was back out to RANT For a power struggle. Not real active, but OK. ♂2157, NOBA ♂, & NOBA ♀ all Friendly.

M. Formicivorus

RANT

17 Mar Saw 2 copulations (separated by @ ½ hr) One was a reciprocal mount. The 3 amigos were chasing off contenders, whom we were catching. By @ 2:00, it was very quiet (no challengers). We took our 4 birds (one of whom was the white beaked BM from RANA) back to lab for lap + bloodwork. I returned all 4 birds to RANT (+ RANA) at 1745, then went to W woods for roost watch. 1 bird into the woods hole. We decide to do a nite ambush. Score! Bleed + back to lab. Long day!

18 Mar 0830	ID		Capture Wt	Bands	18 Mar wt	
	2007	♀	83	B B / B M	dead	
(yell)	2130	♀	75	R B / M b	77.8	
	2157	♂	83.5	P P / M P	relap	
black	2159	♀	76	bg W / W M	74.5	
(blue)	2160	♂	86.5	no / O·b O	relap 88.0	died
green	2180	♂	82.5	R M	72.5	died

Fed light birds w peanut butter stuffed log w dog food + acorns. 2007 (the RANA bird who inexplicably roosted w a RANT bird - hey now I remember that there was some vocalizations + pecking inside the hole when the 2nd bird landed) was dead, with a bit of a mess around her cloaca. Dissection: undeveloped ovaries , w 3 that were @ 1+ mm in diam. Lapped ♂ 2157 - couldn't tell squat.

1045 Nets up + ready For a power struggle - which isn't going on. What's the deal? There's a pair

2007 BB

M. formicivorus

RANT

(18 Mar) here that's pretty chummy (more reciprocal mounting seen) plus a third bird that is tolerated. They're ignoring the power struggle tape & avoiding the granary. Oh at least one of yesterday's ♀♀ was a RANA bird (the green painted ♀). Gave up at noon. Will try something else. Oh, ID'd the 3 birds here. One is a ♂ w white spots on the ends of his wings (2nd o), a ♂ w plain brown tips, and a ♀.
Roost watch: no one

21 Mar 1030 Came by on a whim, power struggle (still) on! Back to Hastings, got Eric & came back. Set nets. Nada. About 5 birds resident here. Some peripheral birds, but we eventually caught the only one that came in (♀). Bled, banded, released w/o lapping. (She was chased away). Shoulda visited yesterday.

pink	♀	2185	wBBW / M gb	↙	2186	♂	Y/p KW / M O RANTN (RANA!)
	♀	2130	RB / M b	RantO.	2187	♀	wb DP / M Y-lb RANTN
	♂	2157	PP / MP	RantO.	2188	♂	RB M / RW B " (RANA!)
	♀	2159	bg W / W M	RantO.	2189	♀	M O / Ob O "
died	♂	2160	MO / Ob O	RantO.	2190	♀	M Y-lb / LP DG
died	♂	2180	RM	RantO.	2192	♀	DG-LP M / Naw Yell RANT NN
	♀	2181	MO / WO		2191	♂	DG-DB M / LP/R
	♂	2182	KW M / DP bY	RANA			
	♀	2183	G M / Nv P	RANA			
	♀	2184	WG / W M	RANA			

Roost watch: Nobody. They're not sleeping here.

M. formicivorus

RANT

22 Mar 0830 Another day at the races. This time we brought along 2 old Rant birds (♂ + ♀) to entice the rascals. They would sit on the cage, but not go in. We finally let the ♀ go (2130) but she'd rather switch than fite. Put ♂ over in shade, but the new Rant birds continued to harrass him, so we put up a net by the ground... and caught 2 birds! Bleed + stress series. A few intruders, but very slow. Quit at 1230. Back for laps The birds we caught are # ♂ 2186 + ♀ 2187.
2186 ylp K-w / n o , 2187 wb/DP / n ylb. Laps: 2186: 5 mm, ♀ undevel

23 Mar 0830 start, caught ♂ 2188 in woods at 838. Released ♀ 2159 at 0855, released blue ♂ 2160, but he pooped out (after being thrashed) + couldn't make it to the far trees - I picked him up + rebagged him - will rehab him back at Hastings. Then released pink 2157 who fought like a trooper but also retreated to the far trees. Of the 2 ♀♀ + 1 ♂ released, none have returned to fight. An hour later the ♀ here started flycatching near the net + finally blundered in (2189), Gave up at 1110
Returned to Hastings: when pulled out of bag, blue (2160) was on his last legs. Fed, but no good. Died at 1200. Will do autopsy.
Green (2180) on back on floor of aviary. Can't walk - very thin. Gave p-nut butter + put in cage.

M. formicivorus

RANT

(23 Mar) Autopsy of 2160: Skin was very yellow & thick under & all around original lap. Wasn't pus - I opened & seemed mostly to be just color - stains. Lap hole under leg had healed, but when I opened the bird, there appeared to be like mold right around entrance of lap (very near lung). Other side was better looking - no yellow. However, the skin was puffed out like there was an air sac problem. Looked fine all the way in. The testis on the original side was irregular (which means my need for a double lap was real) Testis sits under the very red, surprisingly globular kidney lobe. Don't be mistaken! I removed the "normal" testis on the right side. L=5 mm, W=4.3 mm, mass=.04 g. I put this testis in the vial in the formalin jar. 2160 is in the formalin (sans color bands, but w Metal band & blue paint.) Mold growing on inner wall. 1530: 2180 died: autopsy: heavy thick overgrown scab over wound - but not leaky. Again the whole area (1" diam) around incision appeared white due to the orange tissue underlying the skin. As with 2160, there was mold growing on the inner body wall near the lap hole (around it). Leg was stiff even before death. Testes symetrical. Removed & put in vial in formalin. 4.3 x 3.5 mm, .022 g. Carcass in Formalin

(24 Mar) 0800 Went to Rant: dead quiet. Cows messed 1 string.

27 Mar 0825-0845. NO B/A 9 (narrow blk band on forehead) here

M. Formicivorus

RANT

(27 Mar) ~~karitting~~ drumming (& a coupla garricks); she's with Mr. White Bill ( ) From RANA. Maybe she's a RANA 99. I think it's just the 2 of them. No sign of the NOBA ♂♂

29 Mar 0800 Arrive to find power struggle in progress. Re-upped the string & put up net, only to have string break. Finally all set at 0830. Slowly started catching birds (see cap recs). Released all 4 aviary birds, but they didn't stay & Fight. However, the periphery is crawling w banded birds. A Female we caught intruding last week is one of 2 here (we caught her again plus the other one - who we didn't know was a new resident until we let her go. The 2 ♂♂ here do nothing but fight e/o. I released ♀♀ w/o laps since I really don't think they're cranked up. I am taking the ♂ we (me & Eric) caught back for laps.
So... ended up catching 6 birds, one of which was ♀ 2130, an original RANT bird. (Also saw 2159 in tree.... Oh yes, by late morning the group established here was 2 ♂♂ (the Bickersons - since they argued constantly) and the 2 ♀♀ (pink & green). After releasing green & catching pink, a NOBA came in & refused to leave. She & green chased & chased. Finally 2130 (old yeller) came barreling in, NOBA left and green & yellow Fought hard (about 5 tumbles - the last one being when I got both of them in my hands).

M. Formicivorus

RANT

(29 Mar) They were on the ground for a good 20 secs, fighting hard (trying to kill e/o). So we had both ♀♀ pink & green in hand and 2159 wastes no time in flirting with the 2 ♂♂. Fearing a takeover (& hoping pink would chase 2159 into a net) we release pink & 2159 retreats w/o a fight. Damn. Quieted down pretty fast. We did however catch white bill(!) again. In fact, one of the ♂♂ attacked him while he was in the net. So in the end we brought back to Hastings the ♂ NOBA & ♀ green & ♀ yellow & put 'em in the aviary (after lapping the ♂: a difficult lap (as most are for ♂♂). I finally decided that I had found testes (7 mm), but not 100% sure. We leave at @ 2:30.

30 Mar 0745 Up nets & ready (+ ♂ in a cage). 2189 ♀ chasing w Pink, but Pink holding her own (should've kept her yesterday, dammit). Caught 2189 who started being accepted by Pink. Eric saw ♀ w pink & black stripe (saw Lite/DP) = ♀ 2187 Quit at 1010.

31 Mar 1020 Arrive to find a bit of chasing (peripheral birds getting bolder) Nets up by 1030. Very serious chasing (usually quiet) ♂ PP in intruder tree & getting chased. 1130 Caught Bickerson #1 (since only 1 there after). At 1230 caught " #2. Then, instead of going

M. Formicivorus

RANT

(31 Mar) really nuts, it got dead quiet. As soon as I was done w blood (solo), I looked up to find that the 2 ♀♀ were sitting w a ♂! I Figured I had caught ↑ intruder ↑ not a Bickerson until I checked ↑ saw that the ♂ is Pink! 'ole' 2157 himself! After a bleed, stress series, a week in the aviary, 2 laps, ↑ several weeks away From his granary ... he's back. Amazing!
1700 Released Bickersons after successful laps (see cap regs)
One is marked blue, the other black. Females were with Pink. I released one ↑ pink chased. Released other then ♀♀ greeted him, but then pink came ↑ chased him too. Fickle ♀♀.
Left after 10 min w Pink ↑ 2 ♀♀ sitting quietly

1 April 0740 Arrived to find ♀♀ P↑G alone in tree. A 3rd bird flew in briefly, was greeted, and then flew back across the field. I suspect ♂ Pink. Pink ♂ (2157) is the ♂ here. He is also the only surviving ♂ in the original RANT group. So if I wait a couple weeks ↑ catch all 3 of these birds, maybe old yeller ↑ Friends (♀) will move back in and new ♂♂ (Bickersons perhaps) will have a new p.s. Kind of a shame to have just 1 BM here.

7 Apr 1315-1345. Only bird I saw was pink ♀
1515. I drive up ↑ 3 birds leave.

14 Apr 1045 3 birds leave when I drive up (to the far trees)

M. formicivorus

RANT

(14 Apr) I id Pink + Green (♀) + Pink (♂). However, when I was over at Rana, I saw a major chase down here - so I dont know for sure what's up. 1100 A + NOBA intruder came in + was chased.

16 Apr 0900 I remove nails by low pole hole (at 0830 Chris shows me a potential nest on W side of CV road)

22 Apr Roost watch. 3 birds - coming + going. At least 1 roosts somewhere in the fat snaggy limb where they nested last year. They went to bed late so it was hard to see. An owl came out of the original ambush hole (I'm pretty sure). I Flashed all the holes (including the one in the woods) and got nothing.

27 Apr 1400 I sneak up + hear "tap-tap. tap". Hello + ♀ sticks head out of the left hand of the 2 holes in the fat highish snag (same as 92a nest) I manage a peep (next time bring the big ladder the snag is très rotten + baby oaks growing out of it) and see no eggs (~90% sure). Gee, do I want to start a p.s. with babies + see if they have infanticide? Or do I nab the ♂ on the nest during egg laying to get monog blood?

24 May Rana III: Kris showed me a low nest. 2 chicks big = $\frac{RY}{KWN\ O}$ = 66 g (1° = 15), small = $\frac{MV}{DB}$ = 50 (4). I took small one + put into RI

26 May 1530 Nest!! 4 babies (how'd I miss it?) in snag limb.

M. Formicivorus

RANT

			1°	+	c		
(26 May)	W/DG = 57	6	4	17.0	4	R3	2252
	R-DB/Y = 72.5, 16, 6(10), 17.65				1	Plg	2253
	DG M/O = 66, 11, 7, 17.1				3	1800	2254
	LP M/R = 67, 13, 5(6), 18.3				2	Gate	2251

Bled & banded (sorta) kids. I set an ambush & tied it off. I'll catch ♂ here for PS, either while feeding or at night.

29 May 1400 Took 3 big Kids, left the Ravi runts. Took 'em to Gate, 1800. Put 2253 in Ravi nest. Will add to Plge tomorrow

30 May 1300 All 3 kids Fine; adult was brooding when I arrived. I chanced it & took the last big kid. To Ravi, the R3.

1 June 1330 Bird Flushed, babies begged. All is well.

2 June Set & ready at 0730. By 0845 there was still not even a visit to the tree, so I left.

9 June 1300 Babies Fine. I started setting strings. Was stupid & got ball stuck in old string .... string broke, piece of limb broke ... so there's a ball, limb, & tons of string hanging. Fucking A. Finally got string set for big net. " "

11 June Ambush! (set last nite) Got the ♂; stress series. After net problems, we finally are set & ready & playing the power struggle tape at 0600. The 2 ♀♀ came, but that's it. Quit at 0700. Took babies (orig from Ravi) and put into A1.

12 June 0615 Set nets. 3 ♂♂ (banded) (one is MO) have moved in. ♀ ____ blundered in nets. Then birds

M. Formicivorus

RANT

(12 June) refused to come to granary. Took ♀ to aviary. Quit at 0800. Once we got in the truck, the birds returned, & I ID'd (with binoculars) ♂ WKM/RW = ♂R-W/D = 2188 from RANA?, ♂M = Geez, are these the RANA birds moving in again? Maybe it is a Finch effect over there.

14 June 0700 Released ♀ & ♂ (green & pink). ♀ was severely reprimanded by her sister ~~for~~ the whole morning. ___ would mount her & peck her head, but green wouldn't leave top of granary. The ♂ (pink) had the shit beat out of him by the 3 ♂♂, but no one ever hit the net. Damn. He finally gave up & sat on the periphery, garricking. The 3 ♂♂ occasionally gave chase. Damn, damn. I wanted 1 ♂ here, not 3 (so I could do a p.s. next spring) Back to Hastings, grabbed a Ravi ♂ & stuck him in a cage on the ground w a net above. Caught ♂♂ 2182 & 2186 (& had to deal w Brian & Kent's kids - whee!). Green ♀ still getting chased, but at least the pink ♂ has a fair fight. Brought 2182 & 2186 back to aviary.

15 June 0700 For better or worse, Mr Pink is back in charge at RANT... with 2 ♀♀ (tho green is still getting beat up by her sister). Released white bill who put up a good fight but was routed. Other ♂ (released 15 min later) also chased away.

1993 M. Stanback

M. lewis

			wt	wc	ls	l	Ts	T	1°1+2	clm
28 May	Nest #1 :	W :	103	88	34	59.5	21	35	big	19.8
	0800	DB	109.5	87	30	58	23	36	"	19.6
	culmen hard to measure	Y	93	76	33	48	20	28		19.5
		LG	106	93	34	64	21	38		20
	Nest #2 :	blk	112	102	36	72	18	45	1063	-99001
	~1000	"	101	94	32	66	18	43		99002
		"	102	92	33	62	19	41		99003
	Nest #3 :		112	61	24	32	16	25		99004
	1025		104	59	25	30	16	22		99005
	Nest # 4 :		108	60	27	32	14	31		99006
	1030		98	54	20	26	12	17		99007
			63	33	[illegible] 10	10	[illegible] 6	[illegible] 6		99008

M. formicivorus

		wt	wc	ls	l	Ts	T	2nd prim.
28 may	OO :	84	96	~~26~~	[illegible] 70	15	44	small
	OGOG :	88	96.5	24	72	15	47	small
	mm :	80	91	27	66	13	45	small
	blb :	82	94	24	68	19	42	small
	ww :	77	78	24	53	20	34	small
	YY :	79	85	24	58	19	38	small

1993 M. Stanback

Species Accounts

HNHR

12 Mar Heard 1st Western flycatcher of the year. Swallows showed up sev days ago (8 Mar?)

14 Mar Griffin's pear trees flowering (first buds opening)

22 Mar First oriole! Walt saw one on 20 Mar?

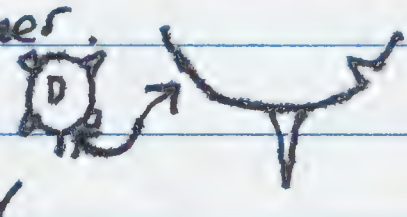
27 Mar 0800 Townsend's solitaire in yard of Bell House!

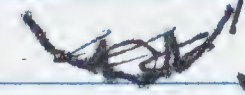
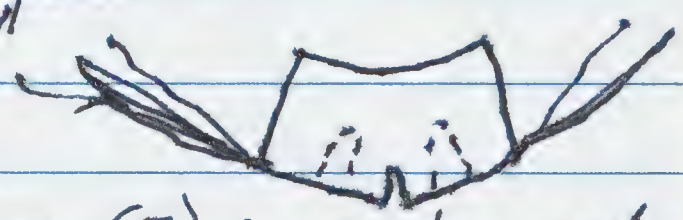
28 Mar " " still here

29 Mar " " "

30 Mar " " "

Lupines blooming at UPHF

31 Mar Alligator lizard, black-chinned hummer.
At Rana Crk, marked a pond turtle 

3 Apr Entrance of sq. nail flat. W. pond turtle. I marked it' 
Small turtle 

12 Apr Scrub jay nest in bush by fence (E) in back yard of Bell house.

20 Apr 0830 20 jays flew in essentially 1 flock (s) over by Robertson house (scrub, I think)

21 Apr Saw another flock o' jays over MOON. W. Flycatchers on Red House Porch have 3 eggs. Titmice in woodcrete box have 8 eggs. ← eventually failed as eggs

26 Apr Western Kingbird at PHF by road.
So both scrub-jay nests (lab + Bell house) have failed.
Saw house birds carrying material. Saw hand bunny.

1 May 0830 coyote at OKCO

11 May There are Lazuli buntings everywhere this year!

28 May Griffin's matilla poppies start blooming. Fawns!

8 June Mtn quail avec bebe's (fresh) on Arnold road.

1974

PLAQUE

M. Formicivorus

Chonga HNHR

5 Mar Winter FA's saw only 1 bird here. Jeremy saw only this bird yesterday. He did roost watch Zinite & saw no one!

12 Mar J roost watches again. 3 birds into granary, mounted, & seemed to roost in granary, but not in up hill hole. Will set ambush at the back hole tomorrow.

13 Mar Roost watch & ambush set. Well, they have a new hole just above the traditional backside hole. I set ambush at "trad" hole. Birds roosted very late (1835). Lotsa moving & shuffling (& maybe an intruder?) ... I ended up in trad hole, 3-4 (?) in other hole. I won't ambush tomorrow.

14 Mar 1000 Cut open the new hole, set (& tied) a new ambush, secured last nights (what the hell). Will try tonight. Birds haven't touched dogfood; ants going nuts. 1730 Arrive, unsecure the ambushers (snip the lichen I had holding them) & wait. At 1832 a single bird came in (bottom). At 1847 (as I was about to leave the blind!) 2 birds came in from across the ravine & roosted (1 bott, 1 top). Lesson? Don't leave 'til dark.

15 Mar Beware the ides of March. Lots went wrong - namely 2 of the 3 birds flushed while I pulled the string. Shit. The only good thing was a nice look at a pygmy owl. Well, also, the bottom is filled with water in the bottom hole (duh, brain dead) The 1 bird we caught was # 2114, a 1992 baby

M. Formicivorus

Chgo HNHR

(15 Mar) who, I would bet, has not been seen since banding. We, pissed as we were, did not move the feeders. P.S. This bird was in the bottom hole

PPS 3 birds showed up once it got light.

14 Apr 1000 6 Fresh eggs in the new hole just distal to the 93 hole. 4 bigger, 2 smaller. #1 & 2 looked newest, though I wouldn't put money on it. I checked the old uphill-facing hole & even opened it (to clear out the mouse nest) only to have a woodrat Face me once I got the door out. I left him alone & replaced door. So much For my plans of catching helpers here to implant Prl. Now I'll have to catch them 1 Foot away at the 93 hole. Risky... Will return later today to set a blind.

20 Apr Oh well, there goes Chongo. Eggs removed For removal experiment.

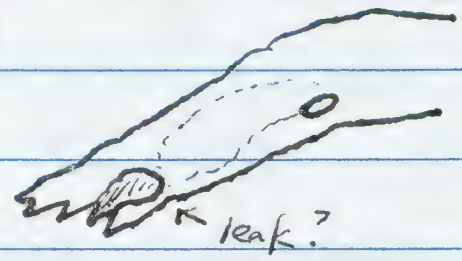
25 Apr 0530 No pipping yet.
See Joey's notes (r/or the capture recs For hatch order, etc)

26 Apr 0600 Eggs 3 & 6 hatched egg — pipping

29 Apr Set ambush at new (west) hole. Starling into other hole. Joey scared them From BANX, but they didn't come over here like last night.

30 Apr Try again. No luck. Not even a starling (though one ACW roosted just downhill From blind). Took down the ambusher.

M. formicivorus

	Buck	HNHR
22 Mar	On my way up to roost watch I hear "peck peck peck" + find a new hole in a tree @ 100 m S of the granary. It's near the top of the tree in a sideways branch. However, it seems to be leaking chips out of the bottom. I roost watch at the uphill hole - nothing.	
30 Mar	Roost watch the new hole (a little too close, but they still went in ... about 4?) (late). I'm afraid it's a ladder climb - maybe ½ will do.	
31 Mar	1530 J. + I hauled ½ of the big ladder up + it just barely makes it to (near) the new hole. I set the ambush, then came down. Will return for roost.	
1 Apr	April Fool's! Bloody hell! I pull the string and out come 2 birds. The ball got stuck on a breaking piece of bark at the edge of the hole. Bugger all. [[I did put nice new pieces of black hardware cloth on the 2 "leaks" at the bottom yesterday. I didn't cut a door, since I can get in the hole at the bottom - or at least scare them out through it. I did however forget to check for eggs (not that it's likely).]] Left the ladder up there - just in case they change mind.	
11 Apr	Roost watch uphill hole - nothing. Heard birds at granary.	
27 May	Katy does census.	

1994 M. Stanback

M. Formicivorus

Plge HNHR

1 Mar Roost watch: 2 birds flew to branch near '93 nest hole, sat awhile together. After a while, @6:10 one flew down to (?) 93 hole (-in?). Other went in at 1815. No vocalizations, no mounting. Only 2.

22 Mar 1730 On my way to roost watch at Buck I see a bird in the "basal" of the 2 93 holes.

30 Mar 0840-0900 Spy on 93 tree - no visits.

31 Mar 1515 Bird in lower hole
1630 No one in hole, but I'm gonna check it. Uh-oh, string is broken. Try forever to get ball in right place. Finally, but then the !@* ball gets stuck. I give up. Will try again tomorrow.

1 Apr 0945 Hellod 93 hole - nothing.
1730 Climbed & checked - no eggs - but looks very nice
Roost watch: 3 birds to "nest", 2 over by Griffin's office

2 Apr J roost watches by office & gets 3 birds into a new hole in a tiny limb. Being the greedy SOB that I am, I announce a pole ambush for the am, even though a) there's no door, & b) we're already doing an ambush at Knol. Wish me luck.

3 Apr Ambush! After ambushing at Knol (successfully), we rush over here, I pole it perfectly, we get the big ladder under the hole, & all 3 birds came out into the bag (one at a time, thank you). Lapped 2056 & 2278, but then the damn otoscope went out before I could lap the ♀ (or the Knol ♀). Only got a good lap on one of the ♂♂'s. See cap rec.

M. Formicivorus

Plge HNHR

(3 Apr) This Easter day, which had been marked by successes, is now marred by disaster. At 1430 I climb Plge nest to see if they've laid their first egg. It's wet out so I opt not to wear my climbing boots. I get to the nest, I start to peep, & I Fall - a nice 4 foot drop & smash into the trunk & a limb. I have a bloody & sore shin, but worst, I dropped by peeping mirror! Bugger. I open the hole - empty. This was my 3rd fall in 9 years & >4000 climbs (UAZ, M.11, & now Plge)

4 Apr 1145 Bird at the lower hole!
1500 Climbed (couldn't resist) Empty.

5 Apr Hello - nada

6 Apr Hello - nada

7 Apr 0825-0830: watch - nada, later hello - nada
1050-1100: " " "

11 Apr 1700 Hello - nada

12 Apr 0730 Chases, garricks, extra birds... ?...
Walt Finds Fresh eggs

23 Apr Caught HF over at CVGR ps (was there yesterday)

26 Apr Bugger all! I make the wet, slippery, dirty climb only to Find that Walt's already done it. 24.8 20

29 Apr 1330 LW=5.5, LL=4.2, -=5.2. Runt egg there (I removed)

30 Apr 1230-1310. Tried trapping. Nada.
1452 The die is cast (whether it was a wise move remains to be seen. At least Jeremy did get a watch.

M. Formicivorus

Plge HNHR

(30 Apr) I set the jay trap by my house & set my watch to beep every 2 minutes. After 45 min I catch 2056 (at 1452). I rush to the lab, bleed him, then T implant him. So it goes. Be careful what you wish for, you may get it.

2 May 1545 $\overline{DG}$ = 16.6, $\overline{R}$ = 17, $\overline{O}$ = 16.5 Added 2 babies from BKOK (LP & DB). They are bigger, but if Lilay is typical, it shouldn't be a problem. Interesting. being ½ size is deadly only in the first few days. After that you're only marginally disadvantaged.

15 May 0610 Yea! After yesterday's Fiasco with the trap door getting stuck I manage to catch just the bird I wanted (actually, the HM would've been nice), HF 2277. I gave her a T implant.

16 May 0630 Set & ready. Quit at 0700.

19 May 1400 Banded & bled the 5 chicks here

1994 M. Stanback

M. formicivorus

Knol HNHR

Well, Knol lost its pine snag sometime this winter.

19 Mar J roost watches; 3 birds into ravine hole

22 Mar Set ambush at ravine hole. The door here is all grown over. I dapped in the door sideways. Alas birds showed up — didn't go in.

23 Mar I left ambusher up (what the hell), but was unable to watch tonight.

24 Mar Roost watch in the rain. No birds. Will remove tomorrow.

26 Mar J reports wierdness (chasing etc) over on the Knol. Both breeders seen, so its not a PS. ??

1 Apr Hello eye hole - nuthin.
Katie does roost watch - 3 birds in !!

2 Apr 1730 Set ambush. Katy watches & see 2 birds in! A 3rd warily inspects it, announces it dangerous, tries to convince the 2 inside of it, fails, & leaves.

3 Apr Happy Easter! Celebrate by getting 2 Knol birds & 3 Plge birds in 2 ambushes. Here at Knol, we got BM & HF. BM was a complete bastard - screamed head off, fought like hell, & wouldn't bleed. The hole here has some moss & crap in the bottom, so I dont think this is a nesthole-to-be. The door is dapped in sideways. A good day...

19 Apr Katy shows me the Knol hole behind Walt's garage. Wierd. The limb is about 7" in diam, very rotten, & the cavity is uphill from the hole . Didn't climb.

30 Apr 0615-0655 Tried trapping. Caught a scrub jay
1215-1245 Tried again. Nothing.

M. formicivorus

Knol — HNHR

1 May — Katy Finds nest! In that new hole (that I found back in March) about 5 feet under the double ladder hole by creek access From the woodpile Facing the ravine.

3 May — 1300 I gave it a try. Strapped to next (live) limb, but couldn't quite reach it. Maybe Walt can.

May — Walt checks hole - empty!

15 May — 1530 I notice a bird Flush from the agave. There's a nice low hole! I go get ladder & peep it - 2 Fresh eggs & a runt egg! A bit late for a nest watch, but I'll trap birds in the am. 1615 Start nest watch. 162800 land, 162900 enter, 163000 HO, 163030 BD, 163130 HO, 163230 BD, 163400 HO, 3600 BD, 3745 HO, 38 leave. At 1650 Dale - Robbie came out to play by nest. Stop watch

16 May — 0540 Set & ready. Nab BM at 0547. Like last time, very difficult to bleed. A ♀ almost went in while I was waiting For 2nd bleed. A jay did go in. I released ♂ & unset trap.

(16 May) — Jeremy watched hole for 2 hrs this am - nothing! I did a quick spy late in afternoon & saw ♂ at the hole - what gives?

17 May — 0910 - 0930 Set trap. Got a jay - no ACW interest. No one in hole. Damn.

18 May — 1500 5 normal eggs + 1 runt. Didn't cut open. Oh well.

21 May — 1230 Cut open hole. 5 + 1 runt. Didn't measure. 91

28 May — 1600 1 = pip = 29.25 × 21.4, 2 = 27.5 × 21, 3 = pip = 27.6 × 20.6, 4 = 27.1 × [illegible].

(over →)

Knol

19.3, 5 = 27.3 x 21.3. Removed runt. (23.9 x 16.6)

29 May 0900 3 chicks, #1 hatching, #4 not yet pipped
Wait so #1 was stuck all this time. Because he looked stuck & when I cracked the egg for him, he literally popped out (dry & complete). So assume lay order is 3, 1, (2, 5), 4.
1700 Egg #4 pipping. Babies weigh 8.0, 7.5, 6.5, & 6.3 g. Egg weighs 5 g. I'll guestimate hatch asynchrony

M. Formicivorus

Knol HNHR

(28 May) [Oh what the hell ... let's do this right]
19.3, 5 = 27.3 × 21.3. Removed runt (23.9 × 16.6)
29 May 0900 3 chicks, #1 still hatching #4 not yet pipped. So #1 was stuck all this time. When I opened the egg for him, he literally popped out (dry - complete). So can we assume lay order is 3, 1, (2, 5) 4. (?)
1700 Egg #4 pipping. Babies weigh 8.0, 7.5, 6.5, 6.3 g. Egg weighs 5 g. I'll guestimate hatch asynchrony as 4, 6.5, 7.0, 8.2, - 9.0. I hate to cut corners like this, but I'm leaving Hastings tomorrow and won't have time to check (I figured the least I could do was not write on the back of a page.) So this is it, my last entry in Hastings acorn woodpecker field notes. What can I say to sum up everything that's happened since I arrived on 19 May 1985. Lots of memories some good, some bad. The breathtaking beauty of Corral Viejo in late afternoon.... The birds themselves. It's all coming to a close today. I've banded my last babies I've done my last ambush. Goodbye Hastings.

1994 M. Stanback

M. formicivorus

MOON HNHP

J. reports NOBA ♂ + NOBA ♀ here

Roost watches turn up nothing here.

1994 M. Stanback

M. Formicivorus

CECN - Ref 1 HNHR

5 Mar 1420 Lone ♀ seen in CECN, where some acorns are stored. No birds or acorns at Ref 1. (more heard CECN)
See Walt & Joey's notes for nests here.

1994 M. Stanback

M. formicivorus

1500 HNHR

26 Mar J. does roost watch. Reports several birds in, but suspects there's a new hole below (just) the traditional hole. I'll check tomorrow.

27 Mar The hole below is a dead-end (& has acorns in it!) They must've just been landing low. Anyway, I set an ambush (after putting a new string in the tree - yuk - not good placement - but in a hurry). 2 birds in. The 3rd bird very upset - looked like was trying to get the other 2 out. It roosted by self uphill. Surrounded by turkeys (who, incidently, gobble while up in roost trees). Ambush in am...

28 Mar Ambush! Caught 2 HF (so it must've been a wise older bird that tried to dissuade them from going in). However, 2260 was sexed wrong on the field list - she is a ♀♀. Painted, measured, & released both.

2 Apr J reports these 2 ♀♀ at Gazo going in holes & fighting the Gazo ♀! Unaware of this, I send K to 1500 to census (since I suspect a Finch effect) She sees BM & HF, so I'm thinking BF dead since December!

21 Apr Katy reports BF is alive & well (and not a R1 ♀) So it wasn't a Finch Effect here.

1994 M. Stanback

M. formicivorus

1800 HNHR

7 Mar On a whim, Walt suggests we set 2 ambushes at 1800 (at the 93a nesthole & the uphill hole) We do. J & W watch & 6 go into nesthole (7th not let in)!

8 Mar Ambush! Caught all 6! (though not without difficulty - Murphy's law etc) Finally bled (2 ♀♀, 4 ♂♂). Released ♀♀, took ♂♂ to lab for laps (1B, 3H). Laps went rather well. Hope they live. See cap recs.

9 Mar afternoon. I have J. census here. He sees 3 of the 4 lapped males. Great! The 3 behaved normally.

20 May 0700 Ambush set at nest (93a hole). Unfortunately, setting an ambush here is quite a production. I'd like to do a T implant here (lots HM), but after 2 hrs & no visits, I guess I'll be lucky just to get the NOBA ♂. At 0905 the BM finally visits, but is too spooked to enter. Ditto at 0910. ♀ in at 0930. Soon BM & BF in & out like clockwork. By 1030 still no helpers have fed (much less the NOBA) I leave the ambusher set (it's held by a rubber band) & leave. Hopefully I can convince Walt to do some time. As I was about to leave, a helper landed & spooked, followed by another (who spooked). I stay til 1100. 1420 start again. At 1615 he finally goes in. Pull! The fucking ball gets stuck. I tug & tug. Woodpeckers freak. I finally get it unstuck as I start climbing. I get up take out ambusher & out he flies! He had never flushed. Fucking A. Never have I tried so hard & failed so utterly.

1994 M. Stanback

M. Formicivorus

Hay-Blom HNHR

28 Mar Roost watch. Very quiet. Finally heard birds down around the 93 nest hole.

7 Apr 0840-0850 Spied on uphill tree - nothin

M. Formicivorus

LHay HNHR

27 Mar J. roost watches here & reports lots of birds into central part of tree.

28 Mar I arrive to set ambush, bird flushes from hole, I check, 4 eggs!! Breeding season has begun. (couldn't reach eggs) N.B. so lots birds roosting on the eggs here.

12 Apr 1300 Oops. I never got final clutch size; Walt never got Final clutch size. Climb (with contortions was able to reach chicks - so I'd brought Jenny up for nothing) Anyway, 4 chicks, 1 inf egg. LG = 19.5, DB = 18.2, LP = 15.9, r = 7 Removed runt & put in Ravi

1400 Ended up taking 3 of the 4 & put'em in aviary. Put the 2 Ravi kids in LHay.

13 Apr 1330 The LHay kid in LHay is Fine (27 g). I gave him some mealworms, then set & tied off ambush. J did nest watch (am) & reports all birds feeding.

15 Apr 0720 Set & ready. After @ 20 min I nab HM 2245 (the first to arrive). Bleed & T implant (I decide (green) against lapping). At 0845 I nab HM 2247, along w BF 2003. He gets bled & empty implants, she gets bled. The little chick doing fine. 2245 = grn, 2247 = pink, 2003 = black stripes

1600 Put 2 big kids from Avi (LHay kids) back in here left runt in aviary. [He died 16 Apr - eaten by adults]

26 Apr 1400 Banded 4 chicks (only 1 Ravi kid - LB). I smelled rot but body not in. 3 LHay kids Fine. Tied off ambusher.

28 Apr 0800 Set & ready. After several visits by BM & pink ♂,

M. Formicivorus

LHay HNHR

(29 Apr) I nab BF 2116 for a bleed. Paint forehead blue - other birds not happy upon release. After a bit it calms down & I nab pink ♂ 2247 for another bleed, but more importantly, a lap (4 Fou). See cap recs. Joey brings down a juv that he found in the nest hole. He bled.

1994 M. Stanback

M. Formicivorus

Blm One — HNHR

5 Mar 1430 Flushed a bird from granary, another was in the 93 hole! (high in gran)

11 Mar J does roost watch. Unfortunately he moves to get a better look and scares the birds away from gran tree.

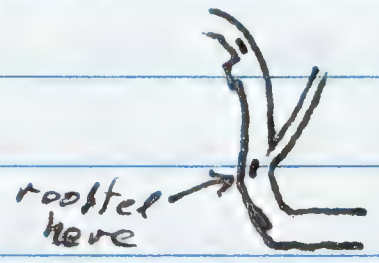
23 May J roost watches. Sees/hears nothing.

M. Formicivorus

Blm 2 HNHR

5 Mar 1445 2 birds seen here (1 is ♀)

29 Mar Bugger all! A lack of communication between Walt & Jeremy results, in Walt setting the ambusher at the high hole & the 3 birds (me roost watching) go into a low hole in the same limb. So no ambush tomorrow. Bugger all.



30 Mar Walt resets ambush, Jeremy watches, 3 in!

31 Mar Ambush! Colder than all hell! Anyway, caught 3 birds. All unbanded, but not any more!

4 Apr Hello holes - saw nothing.

1994 M. Stanback

M. Formicivorus

Blm 3 HNHR

4 Apr Hello holes - nothin

19 Apr 1800 hello - nothin

19 May 0930 Tied off ambusher. 5 Eat + sassies!

22 May 1800 Set blind.

23 May 0730 Set + ready. I nabbed the HF first, then later got the HM, whom I bled (twice) + lapped. By this time it was late so I took down ambusher.

1994 M. Stanback

M. Formicivorus

Gazo HNHR

2 Apr J. reports 2 1500 daughters (HF - the one's we caught) at Gazo going in & out of holes & Fighting withe the Gazo ♀♀ (!). ♀♀ painted.

4 Apr 0830 - 0910 Power struggle. Saw all 3 1500 HF. They're hanging ~~in~~ out in the Westernmost of the big Gazo trees, along with Gazo BM 1808. The Gazo HM ~~---~~ 2311 is in the eastern tree (main granary) with at least 1 NOBA ♀. The 1500 ♀♀ are very interested in the traditional Gazo nest hole. They seem to have divided the granary trees down the middle - no chasing unless crosses the line. Very wierd. Katy offers the hypothesis that lack of a single central granary could lead to this sort of confusion - which is exactly what happened last year - the Semple Hypothesis.
Katy goes back this afternoon & verifies BM w 1500 ~~♀♀~~, HM w 2 NOBA ♀♀, & no sign of Gazo ~~♀♀~~.
K & J Then roost watch. 3 birds into "nest" hole, 3 birds into the upper of the 2 low holes down in the low tree. Alas, I must forego the A&T ambush to get these guys. If only Walt were here.

5 Apr Ambush! I pole the low hole & catch Gazo BF along with the 2 HM. Bleed, take ♂♂ back for lap (only saw anything on one - boohoo). Returned ♂♂ later, whereupon the joined the fray. [P.S. Birds woke at 0515]

M. Formicivorus

GAZO HNHR

(5 Apr) Bugger. Came over to set ambush, set it, came down, r rope string made it fall (don't ask). I reclimbed, reset it on the other side (in Force 10 winds), r came down. set by 1820. 2 visits, no entries. Afterwards I mosey over to where we pole ambushed this am r see a bird inside. Mañana

6 Apr Ambush! (at the low hole). Only 1 bird inside, but got a 15 min bleed, an hour bleed, a lap (2.5 fov), r blue paint on him (BM 1808). I learned a trick; if its a bad lap (membrane covering testis), get the tiny forceps r tear the membrane. I've tried this before, but if it works, it's great - so it's worth doing. Gee, only 2.5 for a dad BM - kinda makes me wonder if some of those other bad laps on BM might have been small. Released ♂ at 0645. Flew fine. 0845 - 1030 Set up net, put ♀ in cage on stump. Noba ♀ made lots of passes, but wouldn't get caught. Power struggle tape didn't work. Removed ambusher.

1994 M. Stanback

M. Formicivorus

	CV&R	HNHR
13 Mar	1040 Checked 93 hole. A starling + 2 bluebirds hanging out in tree. Hmm	
23 Mar	Roost watch: no one into fence hole, the snag hole across from fence hole. Kevin reported 2 birds looked in hole (which?) in traditional (corner) tree, then left. I watched '93 nest tree, only to see 2 starlings go in (1 then went to CV1). Damn.	
28 Mar	0520 Pole ambush. One starling + a nest start. 0550-0610 Watched granary. One bird made about 6 trips to the high knot hole + removed stuff (I assume it was fecal) Uh oh! No real noticeable Following behavioral (though I can't say there was no following - there was some). A few trips to the live oaks to N.	
1 Apr	1100 Hello traditional tree - nuthin.	
2 Apr	Roost watch (From truck). Bird at/in trad hole, several others w/in 2 m. Sev birds visit hole (this is long before dark .. like at 1810). They eventually make their way to the granary tree, where 1 bird goes into the knothole + sits awhile w head out. These guys are mate-guarding. As it got closer to roosting time they made 2 group sorties toward 93 hole, 1 to trad hole, 1 up toward fence hole, back to trad hole, + Finally (I think) up towards fence hole. Usually went to granary between sorties. Maybe I can net them in the granary w a dawn power struggle tape.	

M. Formicivorus

CVGR HNHR

3 Apr 1200 Damn I'm good. A single Fresh egg in traditional hole. I even brought a blind (now set). Unfortunately, I couldn't reach the egg, but no matter. Talked to Walt - looks like we'll do a ♂ removal experiment here. AFternoon nest watch.
J. reports that one of the BM tossed the egg - r that it was a runt (I remember thinking it was small-looking, but I figured it was just a deep hole. So a single ♀ with a runt... r a ♂ tossing!

4 Apr J. reports that the same ♂ (2172) again tossed - but this time it was a normal egg. Only her 1616 visited the hole yesterday r today (besides the ♀). J says 1616 was with the ♀ alot. So here's my adaptive scenario. ♀♀'s in single ♀ groups lay runt eggs to let ♂♂ know things are starting. This way subordinate ♂♂ know to start trying harder. ♀ benefits because this way subordinate BM will be more likely to help more. So... I'll bet single ♀ runt eggs are found only in groups with multiple ♂♂. Also that ♂ egg tossing is only in groups w multi ♂♂. Remember SHIL 7 ♂♂?

5 Apr 0615 Return from Gazo to find Ginger r Pete camped directly below the nest doing a magpie watch. They move over towards the gate - I sure the hell hope they lay anyway. We can't lose this nest....

16 Apr Roost watch (me, J, K, Joey). Lots birds into 94 nest hole. No one in 93 nest, fence hole, or W of fence snag.

M. formicivorus

CVGR HNHR

17 Apr Set ambush at 94 nest r watch. Lots birds in (very late, like 1910). Keep fingers crossed.

18 Apr Ambush! 5 birds (BF, HM, 3 BM) After debate, we keep the non-tossing young BM for removal exp. HM back to lab for lap (crappy lap - couldn't see much of anything). See cap recs.
Well bloody fucking hell! There's a bleeding power struggle going on here r no one could be bothered to tell me til mid-afternoon!
Joey r I arrive @ 1430 r set net. Things are still hopping r we slowly start catching birds (2081 the HF from MPHF that was ambushed the other day, the BM here, r, eventually, 3 NOBA 99's. What's going on here is beyond me. The BF is semi-tolerating semi-fighting these birds. The only real chases are when a bird flies in from the periphery. See Joey's notes for who showed up this morning. We finally quit at 1800. I finish blood work at 2130

19 Apr Ginger tells me that the dozen pieces of dog food accidentally left on the platform has ruined all her data (as it brought in several unbanded pies). Maybe so. Sorry.
0630 Nets set r ready. We had a NOBA ♀, the pink BF, ♂B 1616. Still plenty 'o' action. The MPHF ♀ 2081 has settled in, apparently an uneasy truce w pink ♀ (just like last year - these 2 go way back) By 0900 things are settling down a bit - rather, it's just the "core grp"

M. formicivorus

CVER HNHR

(19 Apr) doing chases & wakaing. Most peripheral birds are just fly-by's. And we've caught pink ♀ twice now today. 1010 Quit. 5 (+ often 6) birds fussing here.

20 Apr The removed ♂ died in captivity (after losing 15 g)
Nets set & p.s. tape playing by 0745. Yes, the other ♀ here is 2336, 2081's sister!
0822 Caught 2081, little blood taken. All's quiet!
Took 2081 back to lab to give pink a breather.
1600 Dawn. I go to release 2081 and she's close to death. I feed & water her & put her in the trad. hole at MPHF. And CVER is crazy again, despite 2081's removal. Damn.

21 Apr Set & ready by 0730. Caught 2 NOBA ~~77~~'s (1 of which was with the previously caught NOBA ~~77~~). Also caught 2 prev. caught NOBA's. Held all 4 (though will release them soon). Pink is still battling intruders though (mostly fly-bys)
1030 Quiet, quits. Released 4 birds

23 Apr Set & ready by 0815. Caught Murf HF before we even tied the net off. Later caught Plge HF.
It started raining, so we quit at 0930 & brought the Plge ♀ back to Plge. (Also caught pink ♀)
Didn't get a chance to take down ambusher Watt set.
* Dead BM (2038) testis R (6.3 × 5.1), L (8.2 × 5.8)

24 Apr Too rainy to net this am

25 Apr " " " ". Returned @ 0945, set net, caught Murf HF 2151. Very quiet (& rainy) after that. Quit 1115

M. Formicivorus

	CVGR	HNHR
27 Apr	All quiet (Finally)	
28 Apr	Not so fast. Katy reports chasing, so Mary + I go over at 1430 + net for an hour. A couple fly-bys.	
29 Apr	0630 Yikes! It's hoppin here. Back to Hastings for help 0740 Set + ready. Nabbed a banded ♀, then BM green (the tosser), then a NOBA ♀. Much quieter now, though a ♀ w Mauve Fore-head + blue cheeks is doing the Friendly thing. Yellow-blue (Face + rump) is also doing Friendly. We kept BM green. Quit at 0920.	
30 Apr	0730 Some activity, set nets, no catchy birdies. 2 ♀♀ are still making Friendly. Occasional Flybys (+ cooper's hawk). Very slow. Quit 0840.	
6 May	Well, the nest in the hole up From the trough seems to have Failed. Call me paranoid, but I still consider it prudent not to climb a egg-laying hole until 0900 and not to cut open a hole until you have to. Hey, I've learned the hard way.	
19 May	0900 Well damn if there weren't 2 chases here	
23 May	0730 Still chasing! ♀ $\frac{M}{KW(N)\ LB\cdot K}$ sitting in granary She had black chin stripes. Eventually chased out by pink ♀ (though she took her time)	

1994 M. Stanback

M. Formicivorus

MurF HNHR

4 Mar 1430-1440 Saw ♀ R= = 1826?. Also ♀ 2339

13 Mar J. roost watch. Reports that 4-5 birds went to the lone N tree (Fall 92 tree)(& the 2nd hole I ever cut open tree) though I assume they went to the 92 hole on the underside of the horiz branch. Maybe ambush tomorrow nite.

15 Mar Set ambush in horiz hole. Starling went into the '85 hole. ACW into horiz hole @ 1820. Around 1830 2 others went in. Shortly thereafter 3 birds arrived. One looked in, then returned to other 2. (B?) All 3 sat awhile then disappeared (away? into a hole on the other limb on the ambush side of the tree?) 1835 a bird went in, afterwhich I thought I heard some activity elsewhere in the tree. Hmm. So 4 in, and ≥ 6 in the group.

16 Mar Ambush! Yesterday I checked the door & it was nice & loose, but this am I discover that the bark was loose - the wood was wedged tight! Damn, so it was awhile b4 I could bleed anyone. Caught BM (popeye!) and NOBA HM! Hooray! Also 2 ♀♀ (both HF). ♂♂ to lab for lap.

0830 Released ♂♂. HM flew fine, BM flew very poorly.

29 Mar 0640-0700 Spy from CV2. Lots of flying about, but didn't really look like mate-guarding. No visits to holes (except maybe the high hole past the bee hive in the traditional tree).

1 Apr 1115 Helloid all holes - nuthin. Very few acorns

M. Formicivorus

	MwF	HNHR
4 Apr	1005 - 1020 Spy from CV2. Saw several visits to near the high Western hole.	
19 Apr	1715 Hello holes - nothing, even the high "suspect" hole Joey reports a bird in the high hole later!	
20 Apr	0915 Climb & peep (too deep to feel (get) eggs). 4 eggs Hard to tell, but I'd say Freshish.	
23 Apr	Caught HF at CVER ps (she was here yesterday)	
26 Apr	Joey steals eggs (but drops 1 of the 5) Oops.	
30 Apr	am Put up platform & jay trap & food 1700 Food gone, put out more. Measure eggs (not lay order) #1 = 26 x 19.1, 2 = 26.1 x 19.5, 3 = 26.7 x 19.75, 4 = 27 x 19.7	
1 May	0630 Egg #2 hatched	
4 May	Roost watch. I don't see much from where I am, but sounds like they're in the nest tree. Joey & I flash holes afterward & see a bird in the 93 hole. Ambush tomorrow.	
15 May	Time to catch up on things. We finally found where they were roosting, but by then they were laying (2 eggs). Dumb me didn't get an egg laying watch (thinking they would lay only 4). They laid 6. Joey took 'em, another ambush Failed (make that 2). Today Joey & I spent 1.5 hrs here trying to net them with a Ravi ♂ decoy. Nope	
17 May	Finally, a successful ambush! They caught the BM 1954 and also the HM 2341 with the tumorous foot. Really gross, really huge. It wasn't the leg	

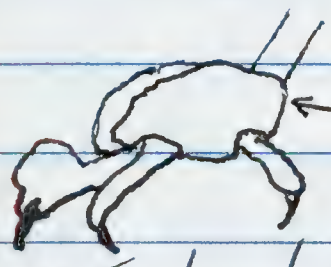
M. Formicivorus

MurF UNHR

(17 May) so much as the foot itself. 3 of the toes emerged out of the mass, one toe had a tumor of it's own (r was split down the middle). We removed all the bands & cut off the entire tumor (which was more of a shell around a skinless foot). We put on neosporin and gave him a makeshift bandage. I lapped him as well. He flew off OK. I left the bandage on. Good luck birdie (see picture below)

19 May 1100 Eggs 2-4 hatched, 5 pipping, 6 looking good, egg 1 looking rotten

20 May 1700 Egg 6 still not pipped. Walt opens – baby is alive but still has a yolk sac.



← plastic band embedded in "tumor" (⅔ natural size)

25 May Unfortunately, ♂ 1954 died 2 days after being caught. Today I measured testis = 8 mm × 5 mm.

1994 M. Stanback

M. Formicivorus

CV1 HNHR

12 Mar Arrive for roost watch. Again, there's a bird up at those crappy looking holes 10 Ft up from the nest facing granary. I set ambush at trad hole. A starling went in. As I wait, I notice a new looking hole facing Hastings up at that "crappy" section. I decide not to ambush the starling, since a bird did roost in the tree (not in that upper hole though - I watched)

13 Mar 1100 Took down ambusher

23 Mar Roost watch - saw nothing.

29 Mar 0620 Hello sycamore - nothing

1 Apr 1200 " " "

4 Apr Hello holes - nothin

12 Apr Walt finds nest in old hole in granary. Limb towards road, hole faces trunk.

13 Apr Roost watch in hopes of being able to catch HM for prolactin implants. No action at sycamore (except starlings)

22 Apr 1600 Check nest. 2 hatched, didn't weigh.

27 Apr 1400 Not good. No one in hole (though I was scolded) on arrival. W = 14.6, Y = 17, __ = dead = 18.1 g. The 2 live ones were lethargic (though not really cold) & had skinny tarsi & pale skin. I hope they make it. Took dead for tissue

28 Apr Katy watches here this morning & reports some brooding, no feeding, and generally wierd behavior. Egg #5(?) dead

1530 I check hole & find 1 warm wiggly baby & one dead baby (yellow, the big one). Removed dead for tissue.

29 Apr 0930 Baby cold, barely alive (but full stomach). Take to CV2.

1994 M. Stanback

M. Formicivorus

CVI HNHR

1 May 1200 Walking by the windMill, I hear tap-tap-tap like an ACW in a cavity. And there it is, an acw in a cavity. I don't know if this really is a CVI bird, but it's my best guess.

4 May Roost watch at Murf. Sounds like CVI roosting in nest hole.

19 May 0910 Hellod 94 a hole, mystery windmill hole – nothing.

20 May Walt gets bird in the windmill hole.
So why didn't I ambush after they failed? Because at heart I worry about messing up nests. Dumb, dumb....

M. Formicivorus

CVZ HNHR

14 Mar J roost watches - 2 birds into ravine nest hole

16 Mar Set ambush. Bugger all - only 1 bird in (a ♂ I think) Another bird sat in tree & yelled & left. I think I heard a 3rd bird. I do believe those 3 HM are gone. I suppose I'll ambush tomorrow.

17 Mar Ambush! (HStPD, HBDE). To my chagrin, the door was not removable (yesterday it wobbled, but that was before it started sliding) Anyway, I ♂, but it's a HM (whose bands are wrong on the Fieldlist). Did an initial & 1 hr bleed. Left a gall near hole. Lap.

29 Mar 0630 Hello holy tree & ravine hole - nothin.

1 Apr 1130 " " " "

4 Apr Hello holes - nothin

12 Apr Walt Finds nest - 2 eggs. I set blind. New hole - overhangs the road in the holy tree.

13 Apr Thanks alot Walt - I ask you not to cut the hole until after the watch & you do it right beforehand! Anyway, Katy sees 2 ♂ Helpers incubating!

14 Apr 0830 Walt climbs & Finds just 3 eggs. Did you think that perhaps this isn't the best time to mark eggs? Roost watch: Katy watches ravine hole - no one shows. She hears birds at nest tree.

15 Apr Katy roost watches from blind & sees 3 birds into high hole

27 Apr 1440 LW=9.9, RW=8.9, LL=8.8, RL=7.5. Look Fine.

29 Apr 1000 I bring the cold CV1 chick over for Fostering 12.2g DB/O
LW=DG=15.1, RW=LP=12.8, LL=LG=12.7, RL=10.7. Katy will do a watch here this afternoon (5 chicks).

M. formicivorus

CV2 HNHR

30 Apr 1630 Set (tied) ambusher. Fingers crossed.

1 May 0710 Set + ready. I unwisely decided to let them feed once before catching them (since they were spooked by the ambushers -). Caught 2230 + 2107 in together, then 2232, then 2231. T into 2230, 2231. Control into 2232. Finally done at 1145. See cap recs for paint.

May P LG DG Oops! The Foster + a CV2 kid have lost their bands. Damn. So we don't know which is.

1994 M. Stanback

M. Formicivorus

	OKCO	HNHR
29 Mar	0710 - 0720 Spied on uphill holes - nothing. Hello'd 93 a hole - nothing	
1 Apr	1150 Hello all holes (syc, snake hole, uphill holes). Nothing. While walking toward DKHW J i/s 92333	
4 Apr	Hello holes - nothin.	
12 Apr	1800 Hello holes - nothin.	
13 Apr	Walt + Joey watch here - looks to be Finch effect. Joey, Katy, + Jeremy roost watch. Only holes watched were string holes (nobody). Sounds to me like someone roosted in 93a hole.	
14 Apr	J. reports 4 birds roosting low in the downhill grainy tree. I'll look for a hole tomorrow.	
15 Apr	1400 Downhill tree? I guess it's the bee tree. There is a hole on the underside of the big limb stretching downhill-ish (the old traditional hole limb). Anyway, the hole doesn't look that great, so I want another roost watch before I brave the bees + the dead limb.	
16 Apr	J Finds hole, watches — 4 birds go in.	
19 Apr	Finally I'm Free to come cut this open + ambush — but I say "Fuck it"	
29 Apr	Caught "H" F 2333 at CVGR power struggle.	
21 May	Roost watch. Still going in the high uncut dead bee tree hole.	
28 May	Katy sees a B/N here! So no Finch effect!	

1994 M. Stanback

M. formicivorus

	Dark Hollow	HNHR
4 Mar	1515 2 birds here! Flew off towards Kirt/Blm 3	
1 Apr	1200 Saw no ACWs here	

1994 M. Stanback

M. formicivorus

	MPHF	HNHR
10 Mar	J does roost watch & sees nothing.	
17 Mar	1030 J reports birds roosting uphill last night. We come & explore & find a hole with a missing door up near the top of the hill (W of UPHF tree) There's another new (small?) hole just above it. There's also a new hole above the traditional UPHF hole (so now 4 in that tree). UPHF granary ½ full	
25 Mar	Hell'd holes on way to roost watch: nada. Watched the UPHF tree - lots of birds into the E facing (hi) hole.	
26 Mar	Bugger all! Bloody hell! Fucking A! I get there & find out the door is completely grown over — and the hammer I have is so worthless the head comes loose when you use it as a hatchet. So I tear the hell out of the door (the lower - they're 2) & finally get it open, set the ambush, get down & set... by 18:30 (too damn late). The birds are still up, but I'd been in this tree for an hour and they want nothing to do with it. One comes & looks in but looks at the lower door & leaves. Bugger.	
27 Mar	Coming over to remove ambush. Bird at trad MPHF hole.	
29 Mar	0745-0800 Spied from road. No visits to trad hole. A few flights uphill. Lots of starlings about.	
31 Mar	J roost watches & reports no activity up hill.	
3 Apr	1140-1145 Spied from road. Nothin.	
4 Apr	1100 Hello - nada	
12 Apr	0655-0715 Spy. Some chaos, no visits to holes.	

M. Formicivorus

MPHF HNHR

13 Apr 0635 - 0705. Spy. More chases - rather vigorous. Mostly down in the dead snag at the bottom of MPHF (the old LPHF granary), but I don't think its LPHF birds - they're sitting tight at the road. Perhaps its UPHF birds. I saw several birds retreating up to the top of the hill over toward the UPHF snags in the E ravine. What's going on? Finch effect? During a quiet time I saw a subtle mount in the trad tree. I watched the mountee for 5-10 min. Just sat around.

J does census. BM still gone. A Finch effect! Ambush!

14 Apr Roost watch. Still lots of chasing. Birds roosted in the 93 hole (a few) and in the double-door hole in the pain-in-ass tree (more than a few). Hmm

15 Apr 1430 I arrive to set blind for ambush 2-nite & find a bird in the trad hole! Back to truck for stuff (hole grown over). Return, open ... no eggs chips, but how old? I set blind.

(15 Apr) I set ambushes at the higher of the 2 doubledoor holes in the other tree & one at the trad hole. Very quiet 2-nite. ≥ 2 birds into doubledoor, none (I think) into trad hole. We'll find out tomorrow.

16 Apr Ambush! Ugh. Ends up the hole is 4 ft deep (& I forgot the net bag). Managed to get 2 birds by hand (♂ & ♀), but the last one took forever (Joey went back & got the net bag - which caught the 3rd bird) I suppose there could've been more, but forget it.

M. formicivorus

MPHF HNHR

(16 Apr) I checked the trad hole ambush (empty). The hole under it is a dead end. Bled the 3 birds. Released 7 2081 (who, again, [redacted] wasn't on the field list) Took ♂♂ back for laps (one successful, one not - see cap recs). Removed old implants from 2nd ♂ (he has pink paint). Might these birds be roosting at the trad LPHF hole? Oh yes, I plugged the 4 ft hole with a gall. Also, it's bottom opens out at a knot hole (which is big enough for a bird to come out but not big enough for my hand. I tried widening it but no luck, so I ended up sealing it up too. Now, as I write this, I realize that there could be a 4th bird still in there - sealed in! Bugger! My count last night was 3 but hey. Hmm. I'm sure it could peck through a gall - or at least loosen it. Well I'd better go back.....

19 Apr Finally get by... the gall is out.

20 Apr Catch 2081 at CVGR. She (and her sister) are trying to take over there. I take 2081 back to the lab & CVGR immediately calms down. But when I go to release her at 1600 she's near death. I feed & water her, then put her in the trad. hole.

21 Apr 1100 Damn, she's dead in the hole. I take her back & make a spirit specimen of her. Damn.

1 May Jenny sees an ACW by the road here (alive) on the ground twice this am, but couldn't be bothered to stop.

M. formicivorus

MPHF HNHR

15 May Roost watch down at MPHF proper. Nothin' doin'. I heard birds at the traditional UPHF tree. I flashed the holes there & got a bird in the traditional hole in the uphill branch.

16 May Set ambush at trad UPHF hole. 3 birds into it and 3 move into the new hole just above it.

17 May Ambush! Got 3 ♂♂ out of the ambush hole. The others flushed. One of the 3 ♂♂ ~~were~~ was 2076, who's not on the field list. I bled & lapped all 3. When released, ♂ 2076 flew to LPHF! Oh yes, I put a Red band on ♂ 2335 instead of the orange that was there (left body)

1994 M. Stanback

M. formicivorus

WGate HNHR

5 Mar 1550 Jeremy shows me where 4 birds roosted last night... and a bird was in it! A new high hole in center of tree.

7 Mar 1200 Whoa! Finally got a string up, climbed, & cut open Jeremy's hole. Looks good. Set a gall.

9 Mar J finds bird in hole on arrival for roost watch. 2 more go in... = 3(?) total.

10 Mar Set ambush (ng). Birds upset but 3 finally go in.

11 Mar Ambush! Caught all 3 breeders (no laps)! It's both my [illegible] and Jeremy's impression that there are only 5 or 6 birds here (roosting at least). Looking at the Field list, only 5 birds were seen in Jan.

25 Mar 1730 Hello holes - nada (but bird near 93 a hole)

28 Mar 1100 " "

1 Apr 1020 " "

3 Apr 1135 Bird at high new hole (where we ambushed)

4 Apr 1105 Hello - nuthin, but there was a chase here

5 Apr Hello - nuthin

13 Apr 0630 Hello - nuthin

30 Apr 1000 Parked below tree & watched. There's a bird working on a new hole at the base of the nub about 1/3 way up the tall straight dead limb where they used to nest.

3 May Alas, he is dead. 1582, the BM, was found dead on the road - a car casualty. He leaves a large family - though we need a census to find out how large. Thanks to Jennifer for picking him up. He weighed 89 g. Get testis size: [illegible] .9 x .6 mm

1994 M. Stanback

M. Formicivorus

Gate HNHR

17 Apr I've been helloing the Gate tree for several weeks. Today I checked out the 93 hole - hello? nada

19 Apr 1600 Bird in the 93 Pipe hole in the valley oak by CV road! Is this Gate?

2 May 1400 Hello hole - nothing.

25 May See Walt's notes for unfortunate incident. A Ravi chick (the biggest one) will be "replacing" the largest Gate chick. However, the Ravi chick will be the smallest, so the Gate β will be acting as α. I bled + banded the Ravi chick (# 2461).

26 May 1400 Banded/bled the 3 and put in the Ravi chick.

1994 M. Stanback

M. formicivorus

	Pipeline	HNHR
2 May	1400 Pipeline Lives! Bird in top of granary. Seen on way to RI & on way back	
4 May	1100 2 birds here: NOBA ♂ & NOID ♀.	
13 May	Katy reports NOBA ♂, NOBA ♀, & starling nest in hi hole	

1994 M. Stanback

M. formicivorus

Wolf — HNHR

19 Apr Well, Walt did say he found acorns here, so maybe we shouldn't be surprised by the nest! In the 93 hole. I've been helloing irregularly, but today was the first time with a bird in it. 6 eggs. 1 runt & 5 normal, but 3 normal were large & fresh looking, 2 were small & opague. What gives!?

1815 Set blind for a watch tomorrow.

27 Apr 0700 RL = 11 g, LL = 10 g, runt egg + 3 dead eggs. Took runt. egg

At pm watch, J. reports the 2nd ♀

2 May 1400 Saw a bird at Pipeline!

11 May Set gall

12 May 1400 Set & tied ambusher. Babies (2) big!

14 May 0650 Set & ready. Kinda dead. Finally ♀ 2106 goes in at 0757. Nab! Bled, etc. Banded the babies too, but someone took my banding stuff - all I had were narrows & a blue. So be it. See cap recs. (2 kids)

21 May 1300 Rebanded & measured chicks.

1994 M. Stanback

M. Formicivorus

Road One

HN HR

1 Mar Well, it Finally happened... the sycamore granary Fell. Still Full of acorns so it must've been recent. 1600 Returned w Walt & retrieved the pieces (except For the biggest one - which we leaned againts the trunk. We'll probably put the pieces at Pipe.

2 Mar Roost watch. Arrived (late) at 1800 to Find the birds in several of the 93 holes. They Flushed. We left.

4 Mar I don't want to talk about it.... They've now drilled 6 holes. I plugged the top (looked rickety) & bottom & set 2 ambushers in the 2nd & 3rd highest hole. Well... they wanted in the top, pulled out the leaf, & went in... 6 of them, & one in the next hole down. Great! But then an intruder (?) came & & tried to get in a lower hole. A bird burst out of the high hole & started chasing (like squirrels around the trunk) Of course they hit a string, the ambusher fell, he yelled, and all 6 birds Flushed & yelled. Arrrrrrgh. Finally 3 came back & went in the high hole. (Oh yes, there were Fresh chips in the 2 ambush holes)

5 Mar 0530 I pole it & don't hit it perfect. All 3 birds escape. I <u>hate</u> this job.

8 Mar Roost watch. Were in hole at 1755. I watched & they played musical holes til bed time. Ended up with birds in the top 3 holes (esp top?)

9 Mar Set ambush at high hole. It was kinda crazy, but I think 6 (?) birds ended up inside. 2(?) into next hole, 2(?) in next.

M. formicivorus

Road 1 HNHR

10 Mar Ambush! Pull string on top hole, a bird flushes from a lower hole. I tie off, go get pole, return, do a sloppy job of poling the 2nd hole, go get ladder, return, stuff a glove in the 3rd hole, then another glove into 2nd hole. I pull 2 (!) birds out of top hole, bleed them, return & pull 2 each out of the lower holes! (stupid birds had plenty 'o time to leave & didn't! My lucky day!) So 11 birds - a record I'm sure. See notes for who came out of which hole (ie who slept together). According to the field list, there are 11 birds here. My guess is that the bird that "escaped" was the "intruder" that I've seen everytime I've watched here (including last night - in fact he went into the 2nd hole last night) who might it be? Oh yes, ♀ 2199 (a very light bird) was released & within a minute was being pursued over our heads by a Cooper's hawk (♂?). A very impressive show. Alas, the hawk caught her (our yelling & waving didn't help much) & crashed into Finch creek, we ran over & the hawk left, & the ♀ was flopping around in the water. J. rescued her (sacrificing dry feet). We put her back in a bag, put her inside his coat, & took her to the lab & put her in the drying oven. Also took 1 BN & 3 HN back for laps. Blood smears etc. See cap recs.

M. Formicivorus

RI HNHR

28 Mar 1400 Hello'd snag - nothing.

29 Mar 0810-0825 Spied on snag from road (nice spot - about 15 m N of syc granary - park due W of the fallen syc stump on the E side of road) No visits to snag. You makes your bed & you sleeps in it.

1 Apr Hello'd holes - nothing (in snag)

4 Apr 1105-1115 Spied on snag - saw nothing (birds heard in tall skinny snag)

5 Apr 1000-1010 Spied - nothing. Then helloed non-snag holes.

13 Apr 0717-0727 Spied on snag - nothing
In case it hasn't yet been noted officially, they have lots of stores in the big skinny snaggy twin trees by the creek (~1000)
0730-0740 Spied on twin snags - no one showed.
0740-0810 Watched uphill granary. Birds flycatching. Most came & left uphill, but some flights toward creek. Was going to check, but had to rescue stranded motorist.

18 Apr Katy finds nest... in snag.

19 Apr 1600 3 fresh eggs in 3rd hole from top. Marked & measured the 3 (see Walt's notes)

27 Apr 1730 Egg 4 = 24.6 x 19.3, eg 5 = 24.85 x 19.1. Bugger all - don't know which is omega. LED = 21 Apr (hat start 501)

2 May Didn't make it over yesterday. 1445: B = 5.5, RW = 8.3, RL = 8, LL = 7.5, LW = 6.7. Oh well, no last egg data (looked at shells)

8 May 1030 R = LL, LB = RW, Y = RL, DG = LW, O = -

9 May 0815 Set and ready. A late start because my implants

M. formicivorus

RI HNHR

(9 May) disappeared. I Finally Found them in the ultracold in the bottom of vials filled with starling livers. Don't ask. Anyway, I caught HM 2287 pretty quickly & gave him T. I waited & waited but never did see another HM. I finally said what the hell & nabbed 2 HF together (2286 T, 2097 C) I never did see the other BM (1575).

10 May 0800 set & ready. Late start since I had to go up the Arnold this am. Joey roost watched ~~the~~ last night & saw 1573 sleep w kids; FA's report only 1573 HM 2199 Finally showed (& went in very hesitantly). Nab. Control HF 2285 nabbed at 1030. T implants. Call it quits; remove blind, ambusher, ladder... & hope they aren't too Freaked. Very slow feeding today. No painted birds showed.

25 May 1000 Banded the 5 Fat & sassies.

M. Formicivorus

Road 3 - MacFlat HNHR

2 Mar Roost watch. Jeremy watched R3 gran & saw 2 (~~redacted~~) birds go into the lower creek facing hole. I watched at McF1 & got 4(?) birds into a new hole near the creek in a skinny snag SSW of the McF1 tree. They roosted @ 1820 (see R1 for comparison).

5 Mar Cut open hole & set ambush at R3-McF1. Birds wanted in, but bark had fallen, etc, so the difference freaked them. No one in. Will remove ambush in am.

8 Mar J roost watched. 4 birds into creek facing gran hole. 2(?) birds went toward new hole.

9 Mar Plugged up new snag hole w Rameling b4 setting R1 ambush

11 Mar Roost watch. 3 birds in, then a 4th in, then a 5th sits outside being up set (the original 4 were very hesitant). 5th flies away, followed by a bird from the hole. Later a 4th goes in. All quiet. (On the way here I checked to see that snag hole was stuffed w lichen - it was.

12 Mar Ambush! 4 birds (BM, HM, 2 HF). Being paranoid, I bleed & release BM w/o lapping (only after performing a perfect lap on the HM do I regret this decision) Oh well, I'll compare their T & LH levels. The HF were sexed for the first time! On my way back, I find the lichen gone from the snag hole. (?!)

1 Apr Hello holes (gran & new McF1); see nothing

5 Apr 1015 " " "

19 Apr Katy does incub watch (in MacFlat tree). No show.

M. Formicivorus

R 3 HNHR

2 May 1430 R=13.8, K=17.6, O=14.0, -=11.8. Added in LB from BKOK

18 May 1200 Happy Birthday to me ♫ And to continue a birthday tradition, 1 band babies. 5 here.

1994 M. Stanback

M. Formicivorus

SHIL HNHR

7 Mar Roost watch. Came down to granary trees briefly, then back up hill yelling. Eventually 1-2 roosted in the old "trad" tree to E of exclosure near bottom. No one into 93 b nest.

12 Mar Walt roost watches here, reporting birds in 3 holes (SHC, trad tree, and the tree in the woods where nested fall 92). Being greedy, I decide to wait for a windfall.

14 Apr 0900 I weigh + "band" the 5 babies Walt found yesterday. K = 18.4, LG = 17.8, DB = 14, Mx = 11.8, - = 12.3. I tied off (but didn't thread) an ambusher near the hole. Set a blind.

17 Apr Nest ambush. Set + ready by 0730. No nest visits (but a bird in hole on arrival). I hear occasional garricks. So Walt, what did you mean when you said I have shitty field notes. I beg to differ. Very slowly birds start to show. I nab 2137 + 1426 at 0920. I give them both T. Later 2208 shows (while a 7 is in!) but his bands are wrong on the Fieldlist! Damn! So I don't know to nab him! And he doesnt come back! Things very slow. Finally at 1215 2209 feeds. Nab! Control implant. Head home to spin blood. Finally done in lab at 1530. Lunch! Oh yeah... the bastard 2209 grabs a baby + cuts it all up.

1994 M. Stanback

M. Formicivorus

	A.F.T.	HN/HR
7 Mar	1400 Set J. up for census. Lots acorns stored!	
2 Apr	0915 Hello'd holes - nothin	
3 Apr	Roost watch - 3 birds into upper hole.	
4 Apr	Set ambush at upper hole - 2 birds go in. Alas, I later find out 3 birds into a pole hole at Gaza, so I shan't be pulling the string here tomorrow. If only Walt were around	
5 Apr	0930 Tied off ambusher (but left in place). No eggs. Ants.	
6 Apr	Roost watch. Untie & set ambusher. 1-3 birds in (late)	
7 Apr	Ambush! 2 birds (2073 = BM even though says HM on field list) + 2320 HF. Unfortunately, the BF hasn't been seen in a long time, but then, no one's really censused. I did see 3 birds roost here last week, & today when I released the HF she was greeted by another bird — so I'm content to assume this is a viable group (BM, BF, HF). Took BM to lab for lap (getting braver), went off without a hitch. Released at 0715. Big testes (5 fov). Painted 9 pink, 3 blue.	
18 Apr	Hello holes - nothin	
2 May	1300 " "	
	later: Walt gets bird in high hole	
16 May	1200 Set a round blind, a gall. Nest w 3 fat & sassies.	
21 May	0715 Set & ready. Breeders started feeding after 1 hr. HF finally came at 0934. Nab.	

1994 M. Stanback

M. formicivorus

BKOK HNHR

2 Apr See Katie's notes. Just as Jeremy said, there seems to be an upper + lower BKOK. The "upper" birds sit in the big tree to W (top) of BKOK Field (in the brushy woods) They fly off to the top edge of Bian Field. The "lower" birds hang out in the lower big BKOK trees (down around the big dead snag by the P.O. hole. The lower birds have a banded ♂ + a NOBA ♂ + ♀ (again, see Katie's notes). No good looks.
♀ RW(N) M, ♀ M LG?. (sitting beside e/o) 1190 + 2237
We return at 1015 + I get
W RW(N) ♀ (for sure) : 2238 LB MJ/Y ♂ : 2239
♀ KW M = ?
A total of 5 birds at "upper", one of which flew to "lower", the rest flew towards AI. So... these 5 birds are the BKOK birds, except I didn't see BM 2177 + I did see a mystery ♀ KWM
Jeremy did see 2177 on 940312. Could I be mistaking mystery for 2238?
In my humble opinion, I'd say BKOK has divided in 2. In fact the lower birds have stores in the big snag by the P.O. tree. We'll assume uBKOK still has access to their very Full granary!

2 May 1200 LB = 26.6, R = 14.9, LP = 29.9, DB = 30.1. Put 5 Rant Kids in (banded) + took these 4. I put R into the Lamb nest. ~~Took other BM~~ Put LB in R3. Put LP + DB in Plge. (R later disappeared from Lamb)

M. Formicivorus

	A1	HNHR
2 Apr	Hello holes - nada. See a NOBA ♂ here. Hmm	
18 Apr	Hello holes on way up - nothin. Later I watch from 1200 - 1220, Some birds but no obvious nestiness.	
22 Apr	Hello the 2 gran holes - nada	
22 May	Jeremy Finds nest! With big babies! He does a watch while I take KOUT bird down for lap. I return w climbing gear & open the paper thin nest. 4 jumpy babies. Band, bleed, & put hole together with rubber bands (diam of nest limb @ 7 inches!) There's a NOBA ♀ here & several A1 ♂♂. The nest is near edge of woods up from A1 toward summit.	
25 May	Walt set an ambusher at the snag hole in gran last night, Katy saw 3 birds go in. We come out this am, I pull string, it breaks. Damn. But I don't hear birds flushing. Roost watch: Katy sees 2 birds in at same hole (Walt had reset ambush). Will try in a.m.	
26 May	Ambush! Pull string at 0335. Katy overslept so I'm solo. Caught BM 2262, the NOBA BF (now 2462... yea!) and... BM 2165 from KOUT! I know he's from here, but it's still strange. His lap/implant doesn't look good (all yellow, etc) He weighed 77, but now I forget if that was with or without the 3.5 g hood (his pre-lap weight was 77). Lapped 2262 in Field. Bad view. Damn.	

1994 M. Stanback

M. formicivorus

	KOUI	HNHR
2 Apr	Lots of acorns stored all over gran tree. Hello holes - nada.	
18 Apr	Hello - nada.	
2 May	1130 4 fresh eggs in burn snag. Low hole facing ARSW. I didn't cut it open (rush). J found it.	
10 May	0630 Put the 3 biggest Ravi kids in here to replace the 4 dead eggs JJ took out.	
15 May	1019 Yow-ee - Zowee! I came up to do a Ravi-KOUI-Gate baby switch + low + behold there's a bird in the hole. Unfortunately, it wasn't the NOBA ♀. A banded ♂. I do the baby swith, stash the ladder + hop on the 4 wheeler at 1015. By 1030 I've done the bleed - at the lab. That must've been a land speed record. I then lap him, but don't see shit. Oh well, rebaud him. This is 1340, an AI breeder (the younger of 2) What is going on here. Jeremy drives back up + releases him. So now this nest has 4 kids (the entire Ravi nest minus the big kid, who will sit in Ravi until he goes into Gate to replace the sawed kid.	
22 May	0630 Set + ready. After about 1.5 hrs I get NOBA ♀ afterwards I decide to try for a BM, who I catch, take down to the lab after 2 bleeds, lap (4 for) + T implant. I process blood, then release	
26 May	Caught BM 2165 at AI ambush! Lap wound didn't look good.	

1 5, 1

2 5, 2

3 3, 1

4 5 3

5 7A 1

6 5 4

7 2A 1

8 7A 2

9 2A 2

10 [illegible]

11 5 5

1994 M. Stanback

M. Formicivorus

Lamb HNHR

2 May 1230 K=17.4, P=11, B=18, O=15.7. Added the BKOK runt R=14.9.

20 May Walt bands 4 scrawny kids. Red is missing! Damn.

★ ARSW

22 May Jeremy finds nest with old babies. I was able to reach down the hole w/o cutting & get out (after some fuss) 4 big jumpy babies. Bled, banded etc. There're Vaux's swifts nesting in the ARSW tree as well. Katy does watch here on 23 May & discovers 2 MwF ♂♂ are breeders! WOW! A long way to fly!

M. formicivorus

	UAZ	HNHR
2 Apr	No acorns stored anywhere. No sign of birds.	

1994 M. Stanback

M. formicivorus

LAZ HNHR

2 Apr Hello holes - nada. Lots acorns stored.

18 Apr 1130 DB = 14.7, O = 13.7, K = 10.7, LP = 14.7. Set-tied ambush.

22 Apr Set + ready at 0820. After an hour 1234 showed up + Fed/brooded. Later ♀ 1873 did same. One more visit by 1234, then ♀ 1873 in at 1031. Since no helpers had even showed, I said what the hell + pulled the string. Bled, measured, painted (+ put bands on 1234, who was missing 2. I pulled one baby out - band missing.

M. Formicivorus

Bian HNHR

2 Apr See Katie's notes. Eventually see 5 birds here NOBA ♂ NOBA ♀ NOBA ♀ w very thin black forehead band. I chase. Hmm

2 May Walt Finds 6 very incubated eggs in a new hole below the broken "traditional" limb.

1994 M. Stanback

M. Formicivorus

Ravi HNHR

3-4 Mar Started giving them acorns. Gave them a new nest log, took out an old log

5 Mar Still no interest in widening hole in log enough to look inside (I must admit, it's sorta damp & yucky inside) Starting trapping mice today (2)

8 Mar Some fresh chips (I think). Still no interest in log(new)

9 Mar 1500 Started mealworms. Gave 'em back an old log(hole) Moved the new log under roof & took off lid to let it dry (still yucky)

13 Mar 0817-0837 Bled all 5 birds. Got extra blood to do thaw exp for 3 (?) of them (see cap rec) 1783, 1785, 1787
♂ W/O = 1783, ♂ G/G = 1785, ♀ Y/Y = 1787, ♂ R/O = 1789, ♂/B.W: 21 27

14 Mar Took 'em their daily mealworms & noticed they hadn't touched yesterdays acorns.

18 Mar 1st egg!! Marked. Walt will mark subseq eggs.

22 Mar 0830 No 5th egg. 4 warm eggs. I gave a Full (2× normal) helping of mealworms. They got no worms yesterday.

23 Mar 1100 Dog my cats! A 5th egg! It's probably safe to assume it was laid after 0830 yesterday, but....

26 Mar egg 1: 27.45 × 20.3, 2: 27.1 × 20.05, 3: 28.4 × 19.9, 4: 26.8 × 20.15, 5: 27.35 × 20.2. Starting to develop

27 Mar 0900-0925 Bled all 5 birds. Painted: 1783 = K strp, 1785 = grn solid, 1787 = no head pnt, grn rump, 1789 = pnk sol, 2127 = blue strip

29 Mar 1130-1330 Video nest watch (see back of page) 1785 = 0 1789 = 71 min, 1783 = 45, 2127 = 35, 1787 = 16. All eggs fertile

31 Mar 1130 Nobody hatched yet. Gave double mealworm dose.

♂ K = 1783
♂ trn = 1785
♀ none = 1787
pink 1789
♀ blue = 2127

1130 K stripes in (♂)
1148 K st out, pink in
1157 ♀ (no paint, yellow band look in)
1206 ♀ (green, whiteband?) in, pink ♂ out
1207 K str (O band in) green ♀ out
1215 K out, pink in
1218 green ♀ in
1220 green ♀ out, BF arrive
1222 BF in
1235 pink ♂ out
1236 green ♀ in
1238 BF out, HF out, ♂ (K str in) og band
1241 ♂ out, pink ♀ in ♂
1242 grn ♀ in
1256 g ♀ out, pin ♂ out, K str ♀ ♂ in (♀ showed, but not in)
105 K ♂ out, pink ♂ in
107 gr ♀ in
123 pink ♂ out, ♀ gr out, K ♂ in
130 stop

1789	1783	2127	1787	1785
18	18	1	16	0
20	8	2	16	
15	3	2		
18	9	14		
71	7	16		
	45	35		

M. Formicivorus

RAVI HNHR

(31 Mar) 1445 Still no progress.

1 Apr 0700 " " " . Gave cap tube vial 'o' mealworms

1200 " " "

1700 2 eggs missing!! (#2 & 3). Egg #1 pipping. No sign of eggs anywhere! Remaining eggs warm (bird in hole on arrival). What happened? Did they think there wasn't enough food for 5?

2 Apr 0700 Egg #1 hatched, chick = 4.6 g = B Gave Full cap mealw

1200 #1 = B = 5.3, #4 = RL = 4.6, #5 = pip. Gave " "

(there are still some left from 0700)

3 Apr 0700 LW = 5.9, LL = 4.8, B = 6.9 Happy Easter!

1500 Remarked all 3, gave Full mealworms (empty)

4 Apr 0630 Fed & remarked. Fed again 1300, 1700. Looked fine

7 Apr 0600 Fed mealworms (as I did yesterday), but one of the babies is dead (LL). I took out his heart & put it in lysis buffer (now # 2345). He wasn't super-fresh, but he wasn't too nasty either. Thoracic cavity in good shape (though gut was beginning to turn).

0930 - 1130 Video nest watch

12 Apr 0745 - 0810 Bled all 5 birds (& repainted). Although 1785 was not seen incubating, he is always to be found brooding the chicks. However, this could be due to the fact that he is going lame in his left wing & knows better than to flush. This is a bit worrisome as I bleed left wings. Upon release he flew very poorly. Babies doing fine. Today I put methanol on all the blood smears.

M. Formicivorus

Ravi HNHR

(12 Apr) 1400 W = 46 g, 14.0 culm, LB = 43.7, 13.5. Removed both & put a LHay runt in instead. I took both Ravi kids & put 'em in LHay. Now Ravi has 3 of the 4 LHay kids.

15 Apr 1600 Put the 2 big LHay kids back in LHay (left runt)

16 Apr 0800 Runt gone! I found him mostly eaten & stored in a hole. Cannibalism! (again). I took him back to the lab to get tissue, but they had eaten all the goodies (brain, heart, liver, etc). Oh well, easy come, easy go.

20 Apr Still no eggs in other cavity (which now has fresh chips & birds) Have been giving them mealworms daily.

21 Apr Still no egg. Green ♂ stayed inside. Mealworms

22 Apr 1300 Still no egg. Mealworms

23 Apr 1100 Egg #1. Guess I shoulda bled them. Mañana

24 Apr 0915 No new egg!

1000 Still no egg! (Also checked at 1400 - no egg)

25 Apr 0820 Marked egg #2. Bled all except BF

26 Apr 0930 Marked egg #3.

27 Apr #4

28 Apr 1300 A 5th egg! Didn't mark.

29 Apr 1200 What gives? 5 eggs, only 3 marked (2, 3, 4). I labeled one of the blanks #5 w pencil, the other as #6. I should check again for a subtle "1" on one of them (I can't imagine I wouldn't've labeled it) Anyway, maybe there's a connection with the 24 Apr gap. #2 = 25.8 × 20.6, #3 = 28.2 × 20.3, #4 = 27.4 × 20.4,

M. ~~Stanbacki~~
formicivorus

Ravi HNHR

29 Apr #"5" = 26.6 × 20.8, #"6" = 26.7 × 20.1 . Bugger.
Wait, it gets worse... if there's been an unlabeled egg in there From the get go, none of my #s mean anything, since I just pulled eggs 'til I Found a blank.
Start checking for hatching on 508 (bled 425)

8 May 0700 3 babies, eggs 4 & 6 unhatched.

9 May 1400 RL = 11.4, LL = 9.8, RW = 7.3 LW = 6.4, B = 5.3
All looked Fine (though a couple had cuts)

10 May 0600 Took the 3 biggest to KOUT.
In the pm Walt put a big Gate chick in here with the 2 kids. He had accidently sawed the chick's wing off.

13 May 1300 Implanted 1783 w 2 T implants. Weighed etc.
All 3 kids doing fine.

15 May 0930 Remove the 2 Ravi kids to KOUT, got the big Ravi kid from KOUT & brought him back to Ravi. Bigger = R, smaller = B

16 May 0825 For ducks I bled BF 1787 & HF 2127

21 May 0600 Bled 1783 for T. Implants fine (white)

25 May 1830 Bled & banded the Ravi chick (2461) in anticipation of his move into Gate tomorrow.

		ch	t's	t	ts	tai	cul.
26 May 1230	67.5 g	60	23	34	11	22	18

Yep, he's much smaller than the Gate kids

28 May 0830 Lapped all 3 ♂♂: RW (T boy) = 4.5 fov, RO = 4, Gt not a good lap (the membrane problem) est @ 4 fov.
Measured RO & Gt. One wing baby still in nest. Goodbye birdies... and thank you... you've been good sports.

1994 M. Stanback

M. formicivorus

RANA HNHR

13 Apr 0900 - 0930 Lots acorns, where are the birds. Starling nest in the old separate ~~the~~ door hole. The birds showed up w/in 5 min. They didn't seem nesty (though one did disappear near the high hole) I saw ♂ M— = 2189?, ♀ WDG/WM = 2184 ♂ R-W DB = 2188, RM? = , ~~-~~ RKM ♂?=2188 One bird was shy ~ I'm not sure if I got any ~~good~~ ID. If I had to guess I'd say 4 birds.

20 Apr 1300 - 1320 Spy. No nestiness, just acorn work.

30 Apr 1015 - 1030 " " , tho maybe a peek into a hole

2 May a.m. These guys came over to Rant, but no "struggle"

3 May See Rant notes. Caught 2188 while flycatching. Bled lapped, caged. Unfortunately, he died in captivity later in the day. I hate this job.

25 May Thawed him ~ measured testis: 8 mm × 5 mm

PT : 2157
MP

♂ RBM

♀ BPM dirty breast

1994 M. Stanback

M. Formicivorus

RANT HNHR

13 Apr 0845 Arrive r immediately see a bird in a new hole Facing the road in the main trunk. Wow! Plenty 'o' acorns. Came back at 0940 r saw ♀ w ~~mate~~ M_ , ♂ M_ =2157? ♀ F Saw an intruder r chase. I then climbed up to the hole (tried free climb, but ended up jumaring) 5 eggs - couldn't tell if fresh. Didn't open, since I was hanging in an awkward position. Set strings for the big net. I'm pretty sure there are 2 ♀♀ here. Not long after one flew away, I saw another in the nest.

20 Apr 1430 Bugger! I arrive to open the hole, when I am set upon by a pack of children. I beat a hasty retreat.

21 Apr 1430 M_V = 15.5, LB = 14, O = 13.5, R = 13, DB = 14 (cut hole, set gall close by.

30 Apr 1040 - ♀ w DD BBW r ♀ DG LP M First I spied from Rana r found they are still going all the way in. Then I came down to ID. Saw several intrusions!

1 May Ug, what a climb. Set ambush, started waiting at 1400. ♂ 2157 fed once w/o going in at 1650. In at 1712. Nab! Didn't bleed. He weighed 84(?) g. Took kids ~~RWL~~ = 47.25, M_V = 54, DB = 45.5, LB = 46, O = 52. Put ♂ in cage in Doll House with CVER ♂

2 May 0730 Dead quiet. Put up nets r p.s. tape. Rana birds came over briefly. Quit at 0845. Back to Hastings, where we bled r banded babies for BKOK.

M. Formicivorus

RANT — HNHR

3 May 0720 Dead quiet, but 3 birds flew to Rana. Later saw a Rant ♀ w ♂ 2188 (Rana) in granary. I'm still confused - are the ♀♀'s flying off to RANA too? Eventually caught ♂ 2188 as he blundered in while flycatching. Bled, lapped back at Hastings. He's now cooling his heels in a cage w/ 2157.
1700 Damn, Walt tells me that 2188 is dead (+ that he didn't look good back earlier in the afternoon after his lap). Was it the lap, the loss of blood (he gushed), or being in a tiny cage with a strange (?) bird. I'm sorry 2188. I didn't want it to be this way.

4 May 0700 Some action. Immediately caught NOBA ♀.
$\frac{M\ MvLB}{WBBW}$ ♀, NOBA ♀? NOBA ♂ present. The 2 birds most seen together are the banded ♀ WBBW + NOBA ♂
0830 Another NOBA ♀ caught
1015 There was another good intrusion bout earlier, but it's dead now, so we pack it in. (NOBA ♂ + WBBW ♀)

5 May 0645 Some action. Stayed til 1100. Caught 7 birds! 2 ♂♂ (NOBA), 4 NOBA ♀♀, + pink ♀ from yesterday. Most of this action occurred kinda all at once. Brought ♂♂ back for laps. Went well. Released back at Rant. Flew fine.

6 May 0730 - 1115 Caught 5 ♀♀, 2 ♂♂. Brought ♂♂ back for laps. At morning's end one of the lapped ♂ from yesterday was in control! Today's ♂♂ both had laps of about 4 sec. (see cap recs)

M. formicivorus

RANT HNHR

11 May See J+K's notes, cap recs for the day they were here. 0800 Still going on. Mauveish ♂ + NOBA ♀ in charge (J+K had Mauve ♂ + the old blue ♀ in charge when they left). Anyway, we got there in the fog + immediately got a sodden ♀ who was "stuck" in the grass. Caught NOBA ♀ in net, ~~a NOBA ♂~~, the Mauve ♂ (who we finally released after a new NOBA ♂ moved in) we later got him again when he fell in that dang tall grass + Jeremy nabbed both him + the NOBA ♂ he was grappling with. Quit at noon + went home to lap birds. Oh yes, we caught a ♀ that was caught here last year! See cap recs.

12 May 0645 Arrived to a chase, but very dead once nets were up. The sodden ♀ + a NOBA ♂ are very much in charge - chasing intruders long before they get to the granary. One of them bounced out of the net (damn!) during a chase. At 0745 we stopped, took down the net (avec starling) + went back to Hastings for 'ol' Pink (who weighed 82 g). We returned, set the net, let him go (at 0830) + he was immediately set upon by the 2 "residents". They all 3 disappeared into the woods. After 5 min, the 2 returned. He gave another try 5 min later + was chased to the NW staging tree (where 2 birds were already). All quiet at 0845.

M. Formicivorus

RANT HNHR

(12 May) 0910 The resident NOBA ♂ Finally blundered in while the ♀ was chasing. He was immediately replaced by 2 ♂♂ (brothers) whom the ♀ accepted almost immediately. We then caught one of these 2. Oh yes, the original NOBA ♂ had a large cloacal protub.
1010 Quit. All quiet (tho ♀ isn't too happy w ♂)

13 May Katy + Jeremy net. They catch the studly ♂ from yesterday and the new resident ♂ (a NOBA). I get a nice lap + release.

27 May Took down net strings. Thank you birdies, you've been very good sports... especially old Pink, who is back in charge (for the second year in a row(!) he has survived bleeding, removal, lapping, life in a cage, and still come back to win his rightful place here

1994 | M. Stanback

Species Accounts

HNHR

12 Mar | Road runner at Tularcitos Ranch (just past Rana Creek) along CV Road. Nice!

16 Mar | Heard W. Flycatcher

28 Mar | 0600 After a week of listening, the orioles arrive. (sort of)

29 Mar | Griffin's pear tree starts blooming.

3 Apr | Troy reports Ringtail near Rana Creek.

14 Apr | Found Mtn quail nest on School Hill on path up to SHC. 3 birds flushed from it as I approached!?!

29 Apr | 1430 A pair of scrub jays & a pr of br towhees were dancing around in the front yard of the Bell House. I went out & found a gopher snake (3 Ft) all coiled up. I went back in & the scrub jay (1) returned & started the dance. He would fluff his feathers & spread his tail. He flew off & I went out & harassed the snake til he left. I then went in & the jay returned and grabbed the snake by the tail twice. At this point the snake got to the fence & coiled up & the jay left.

14 May | Costa's hummer at Bunkhouse feeder.

15 May | Prarie Falcon stooped on (& missed) ground squirrel in field tween lab & barn.

11-15 May | Poorwill on path to Walts

16 May | Nuttall's WP brood by bride at lab (mass, ch, 1°sh, 1°, Tsh, Tail)

Y	35.5	49	18	32	13	21
Mv	37.8	60	24	42	16	26
P	35.5	61	21	43	13	27
G	34.5	62	21	44	15	27
B	39.7	62	25	44	17	28

22 May: Vanx's swift nest in big hollow of ARSW nest tree on Arnold. Couldn't see nest, but saw birds going in repeatedly.

23 May: After years as the premier bat roost at Hastings, the slats on the gables of the stucco house have been sealed off. It seems the new occupants find them disagreeable. What a crock of shit. So they shit - we can't live in sealed bubbles. What's a little bat shit on the window pane? What hypocrisy! It sickens me.